SAVE FOR FUTURE

C.R.I. PUMPS
Pumping trust. Worldwide.

VERTICAL MULTISTAGE INLINE PUMPS
MV SERIES

CE*

*For specific models only.

www.crigroups.com

An ISO 9001, ISO 14001 & OHSAS 18001 Company

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THE BEGINNING

of C.R.I., way back in 1961, was a resolute attempt to produce a few irrigation equipments using the limited facilities of an in-house foundry. Eventually the founder's dream was coming true as the small production unit he started kept growing rapidly. Now, after more than five eventful decades, it is an enormous, widely reputed organization, which produces more than 1500 varieties of perfectly engineered pumps and motors and sells its products in numerous countries spread across 6 continents.

C.R.I. IS ONE AMONG

the few pioneers in the world to produce 100% stainless steel submersible pumps. Having achieved a record production capacity of over 2 million pumps per annum, today C.R.I. is rubbing its shoulders with the best brands in the world, with advanced technology and safety standards as its hallmarks.

THE INFRASTRUCTURE

of C.R.I. is pretty comprehensive with state-of-the-art machineries and high potential in-house R&D recognised by the ministry of science and technology, Govt. of India - all within its own covered area of 300,000 square metres. The production environment is accredited with ISO 9001 & 14001 certifications and the products are CE, UR/UL, IEC, TSE & ISI certified. The R&D team always stays in tune with the changing scenario and seldom fails in coming up with outstanding solutions every time.

NEEDLESS TO SAY,

behind this legendary growth lies the untiring, innovative, enthusiastic and dedicated team work. and, of course, a flawlessly maintained value system too. The name C.R.I. itself encapsulates the company's ethos: " Commitment, Reliability, Innovation".

C.R.I. PUMPS
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Vision, Mission and Values

To be the industry leader providing best - in - class fluid management solutions to individual and institutional customers and societies in our chosen markets.

We will achieve this through our dedicated efforts to enhance the welfare of all our stakeholders and by living by our values of **commitment, reliability** and **innovation.**

contents

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS - MV SERIES

VERTICAL MULTISTAGE PUMPS

G E N E R A L

C.R.I. Vertical Multistage centrifugal pumps (MV series) are non-self priming, axial suction and delivery type available with DIN standard port connections. All components like impellers, diffusers & shaft of these pumps are made of corrosion resistant stainless steel and designed to deliver the best possible hydraulic efficiency. As the diffuser chambers, impellers, shaft & pump base (casing) are made of high grade stainless steel S.S. 304/316, these pumps can be used to pump clear water and are quite hygienic to use in drinking water systems too. 'O' rings / gaskets prevent leakage at the intermediate casing during high pressure. The replacement of the seal can even be done in the installed position without removing the pump from the system. These pumps are reliable, easily serviceable and used in water boosting units to get trouble free service for years together.

C.R.I. Multistage Vertical pumps are powered by a Totally Enclosed Fan Cooled, A.C. induction motor, suitable for continuous duty. Motor stator is made of low watt loss steel laminations assembled under pressure and rigidly locked in the frame. Dynamically balanced rotor ensures vibration and noise free operations. The varnished impregnated windings made of enamelled copper wire offer excellent resistance.

Shaft of ample size made of quality steel and precisely ground is used for transmitting the rated Horsepower. Construction of motor frames and usage of quality materials result in high performance and low temperature rise thereby increasing the life cycle of the motor. Thermal over load protector is incorporated in all single phase motors. These pumps require an adequate control system and the mounting dimensions are as per IEC standard.

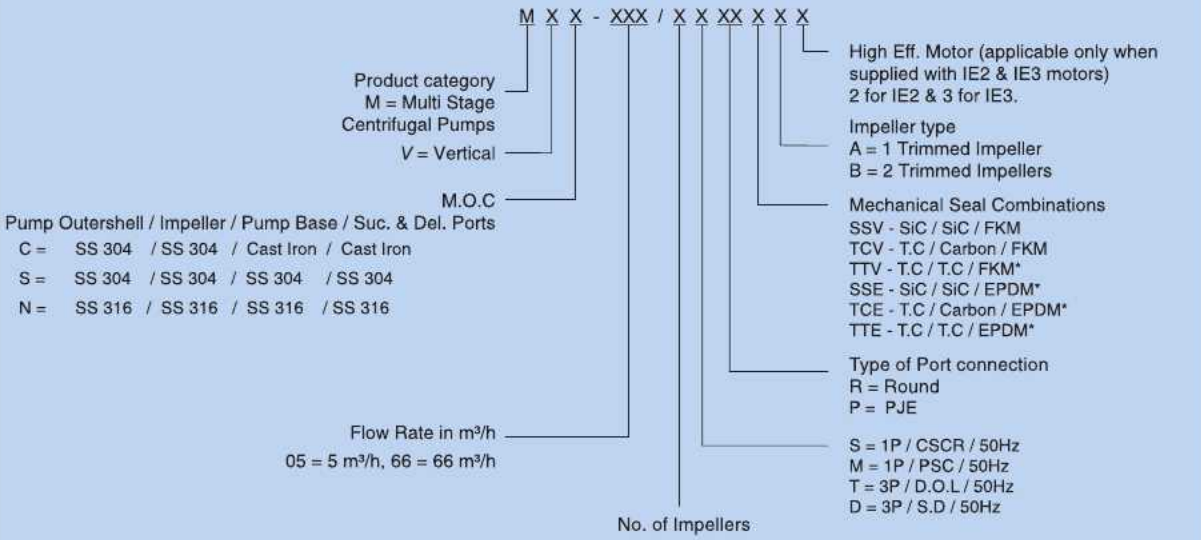
Applications : | Pressure boosting units | Industrial water supply | Fire fighting systems | Irrigation | Reverse osmosis systems | High pressure water supply | Water treatment plants | Boiler feeding | Washing systems | HVAC | Mining | Food processing industry | Golf Course.

Features : | High operating efficiency | Precise parts for hygiene | Good suction lift and operating pressure | Dynamically balanced rotating parts | Balanced and rigid construction | Available M.O.C. Type S, N & C.

IMPORTANT NOTES

I Read our operator's manual carefully before installation I Pump should not be operated dry I Install dry run prevention to protect the pumpset from dry running I Use appropriate size, good quality cable and starter / protection devices I Use low friction good quality pipes I The pipe diameters must never be smaller than the pump connections I Install pump according to our recommended Head range I Reduce number of bends, elbows, T-bends as much as possible in the pipe line I All pumpsets employ a prime mover motor of suitable size I Avoid fatal electrical shock or injury by disconnecting power before working on or around the pumping system I Only technically qualified personnel must perform the works complying with local electricity rules and regulations I To reduce the risk of electrical shock during operation, an appropriate earthing is mandatory I Maximum permissible supply voltage should lie between ±10% of the rated voltage I The performance data and curves are at rated voltage and only indicative I Product pictures shown are only for illustration purpose and the actual product may vary than they appear in picture I Standard pump supply is made for the maximum flange pressure rating mentioned in the dimensional drawing I Pipe sizes mentioned in inches are nominal pipe sizes and are nearest conversion of mm.

MODEL IDENTIFICATION CODE



DESCRIPTION

"MVS-44/07BT2" denotes 44m³/h, round flange, 7 stage, with 2 trimmed impellers Vertical Multistage pump with 50Hz, 3Ph, 415V IE2 motor.
"MVS-44/07B" denotes only pump end without motor.
Note : Pump is supplied with round flange by default.
Last 3 digits are applicable for pumps supplied with motor (Pumpset)

* Optional

TECHNICAL DATA

Power Range	0.37 to 110 kW
Speed	2900 rpm
Degree of protection	IP 55 (Optional IP44 / IP54)
Insulation class	'F' (Optional 'B')
Versions	Single Phase 230V, 50Hz, A.C. Supply (0.37 - 2.2kW) CSCR Incorporated with thermal over load protector. Three Phase 380-415V, 50Hz, A.C. Supply (0.37 - 110kW)
Sealing	Mechanical seal - Cartridge type
Direction of rotation	Anti-clockwise viewed from driving end
Type of Duty	S1 (continuous)
Flange type	Round / PJE
Flange Standard	DIN
Pipe Connection	DN 25, DN 32, DN 40, DN 50, DN 65, DN 80, DN 100, DN 120, DN 150 & DN 200

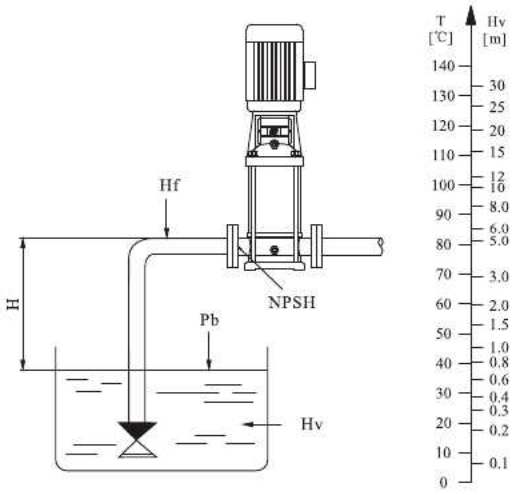
OPERATION LIMITS

Maximum Suction Lift	7 m
Maximum Liquid Temperature	- 15°C to + 120°C
Maximum Ambient Temperature	40°C
Maximum Operating Pressure Range	32 Bar

PERFORMANCE RANGE

Maximum Nominal Flow	200 m³/h
Maximum Head	320 m

INLET PRESSURE



MAXIMUM INLET PRESSURE

The actual inlet pressure plus the Shutt off Pressure(Head) should always be lower than the "maximum operating pressure".

MINIMUM INLET PRESSURE

In case that the pressure in pump is lower that steam pressure used to convey liquid, the cavitations will occur. To avoid the cavitations, and lessen the vibration and noise, you are suggested to adopt NPSH to make sure that the pump are under optimal operation condition.

The following formula can be used for calculation of minimum inlet pressure :

H = Pb x 10.2 - NPSH - Hf - Hv - Hs

H : Maximum suction head (m)

Pb : Atmosphere pressure (bar)

In a closed system, Pb means system pressure (bar)

NPSH : Net positive suction head (m)

It can be read from the point of Max.flow rate shown on NPSH curve.

Hf : Pipeline loss at the inlet (m)

It is in accordance with pipeline possible Max.flow.

Hv : Stream pressure (m)

It depends on liquid temperature and system pressure value.

Hs : Safety margin (m)

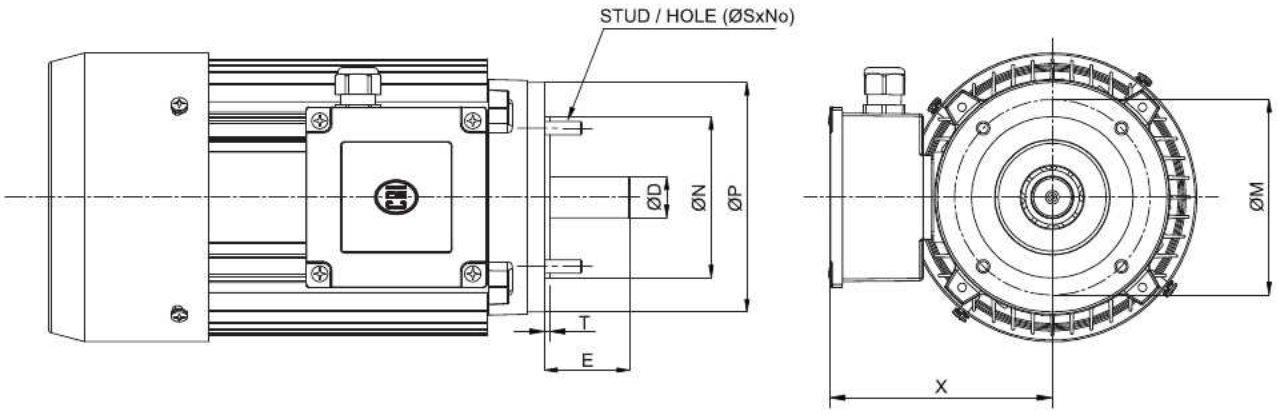
Minimum 0.5m delivery head

If the calculated result H is negative, the pump may run under the Max. suction head H. In case the calculated result H is negative, a delivery head if Min.inlet pressure is necessary.

Note: Normally, the above calculation will not be done. H is calculated in the following conditions:

1. The liquid temperature is comparatively higher.
2. Liquid flow exceeds rated value.
3. Suction head is comparatively large or inlet pipeline long.
4. System pressure is too low.
5. Bad inlet condition.

STANDARD MOUNTING DIMENSIONS



FRAME SIZE	POWER		MOUNTING TYPE	ØD	E	FLANGE NUMBER	ØP	ØN	ØM	T	ØSxNo	X (max)	GLAND
	kW	HP											
71	0.37	0.5	B14-FACE MOUNTED	14	30	F85C	105	70	85	2.5	M6x4	127	M20x1.5
71	0.55	0.75		14	30	F85C	105	70	85	2.5	M6x4	127	
80	0.75	1.0		19	40	F100C	120	80	100	3	M6x4	132	
80	1.1	1.5		19	40	F100C	120	80	100	3	M6x4	132	
90	1.5	2.0		24	50	F115C	140	95	115	3	M8x4	135	
90	2.2	3.0		24	50	F115C	140	95	115	3	M8x4	135	
100	3.0	4.0		28	60	F130C	160	110	130	3	M8x4	144	
100	3.7	5.0		28	60	F130C	160	110	130	3.5	M8x4	162	M25x1.5
132S	5.5	7.5		38	80	F165C	200	130	165	3.5	M10x4	204	M32x1.5
132L	7.5	10.0		38	80	F165C	200	130	165	3.5	M10x4	204	
160M	11.0	15.0	B5-FLANGE MOUNTED	42	110	F300B	350	250	300	5	Ø19.0x4	261	
160M	15.0	20.0		42	110	F300B	350	250	300	5	Ø19.0x4	261	
160L	18.5	25.0		42	110	F300B	350	250	300	5	Ø19.0x4	261	
180M	22.0	30.0		48	110	F350B	400	300	350	5	Ø19.0x4	273	
200L	30.0	40.0		55	110	F350B	400	300	350	5	Ø19.0x4	314	M50x1.5
200L	37.0	50.0		55	110	F400B	450	350	400	5	Ø19.0x4	314	
225M	45.0	60.0		55	110	F400B	450	350	400	5	Ø19.0x4	334	

MATERIALS OF CONSTRUCTION

Part Name	Part No.	Type - C	Type - S	Type - N
Pump Outer Shell	29.06	SS 304	SS 304	SS 316
Pump Head	30.00	C.I.	Upto 16m³/h - C.I	Upto 16m³/h - C.I.
			Above 32m³/h - SS 304	Above 32m³/h - SS 316
Pump Head Cover	30.07	NA	SS 304*	SS 316*
Pump Head Stool (Only for 32m³/h & above)	30.01	C.I.	C.I.	C.I.
Pump Base	29.01	C.I.	SS 304	SS 316
Base Plate	24.03	NA	C.I.	C.I.
Impeller	19.00	SS 304	SS 304	SS 316
** Mechanical Seal	16.00	SiC / SiC / FKM	SiC / SiC / FKM	SiC / SiC / FKM
*** Bush	12.03	SiC / SiC	SiC / SiC	SiC / SiC
Diffuser (Chamber)	18.07	SS 304	SS 304	SS 316
Pump Shaft	22.00	SS 304 / 431	SS 304 / 431	SS 316/329
Wearing Ring	17.01	Teflon	Teflon	Teflon
Flange	29.04	C.I.	SS 304	SS 316
Neck Ring	19.01	SS 304	SS 304	SS 316
"O" Ring	32.09	EPDM / FKM	EPDM / FKM	EPDM / FKM
Coupling	22.01	M.S / C.I.	M.S / C.I.	M.S / C.I.
Split Cone	19.02	SS 304	SS 304	SS 316
Split Cone Nut	19.03	SS 304	SS 304	SS 316







* Provided only upto 16m³/h

** Optional Mechanical Seal MOCs

TC / TC / FKM

SiC / SiC / EPDM

TC / CARBON / EPDM

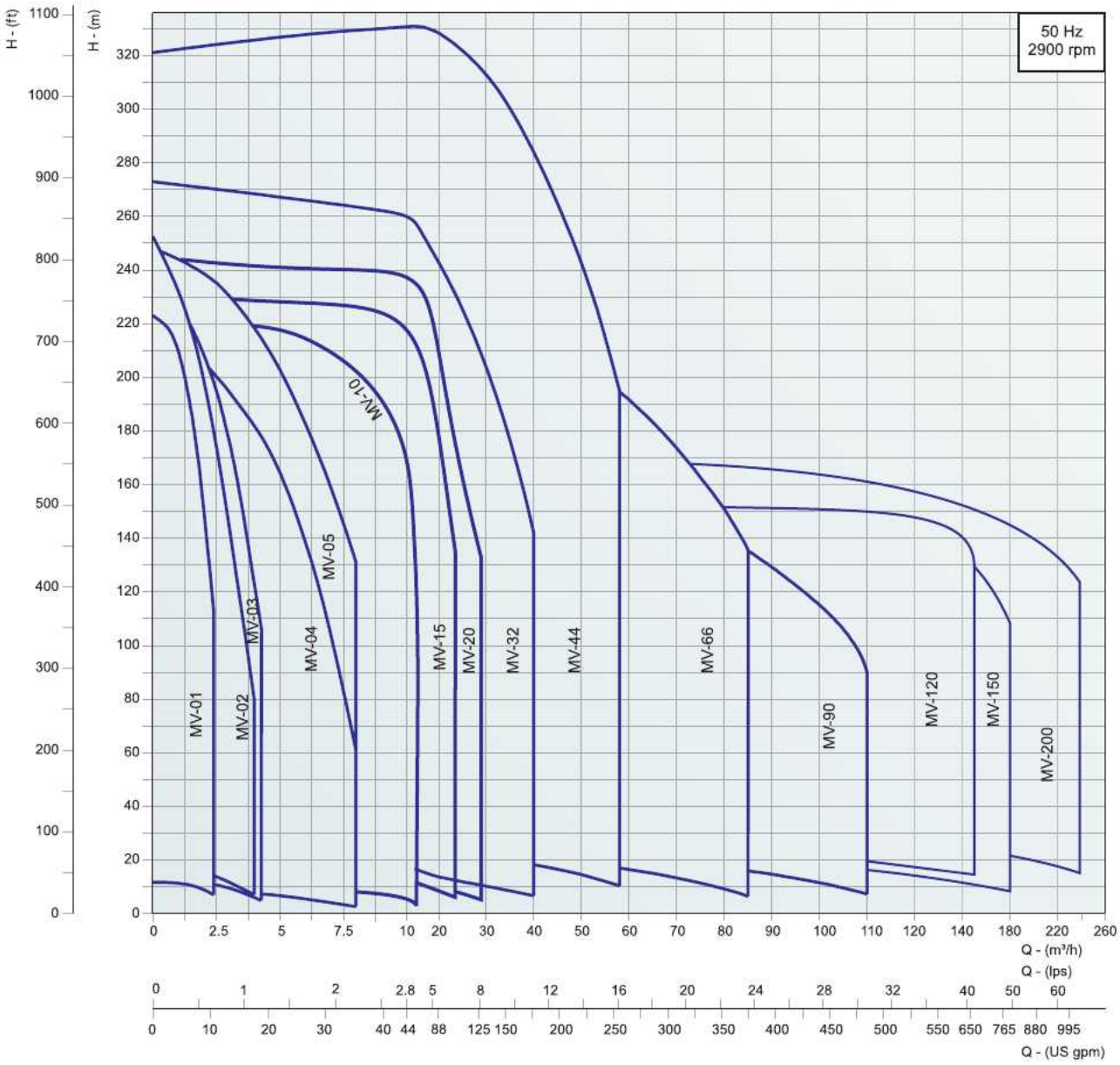
TC / TC / EPDM

*** Optional Bush MOC

TC / TC

SiC - Silicon Carbide, TC - Tungsten Carbide, FKM - Fluoroelastomer (VITON), EPDM - Ethylene Propylene Diene Monomer

GROUP PERFORMANCE CURVE

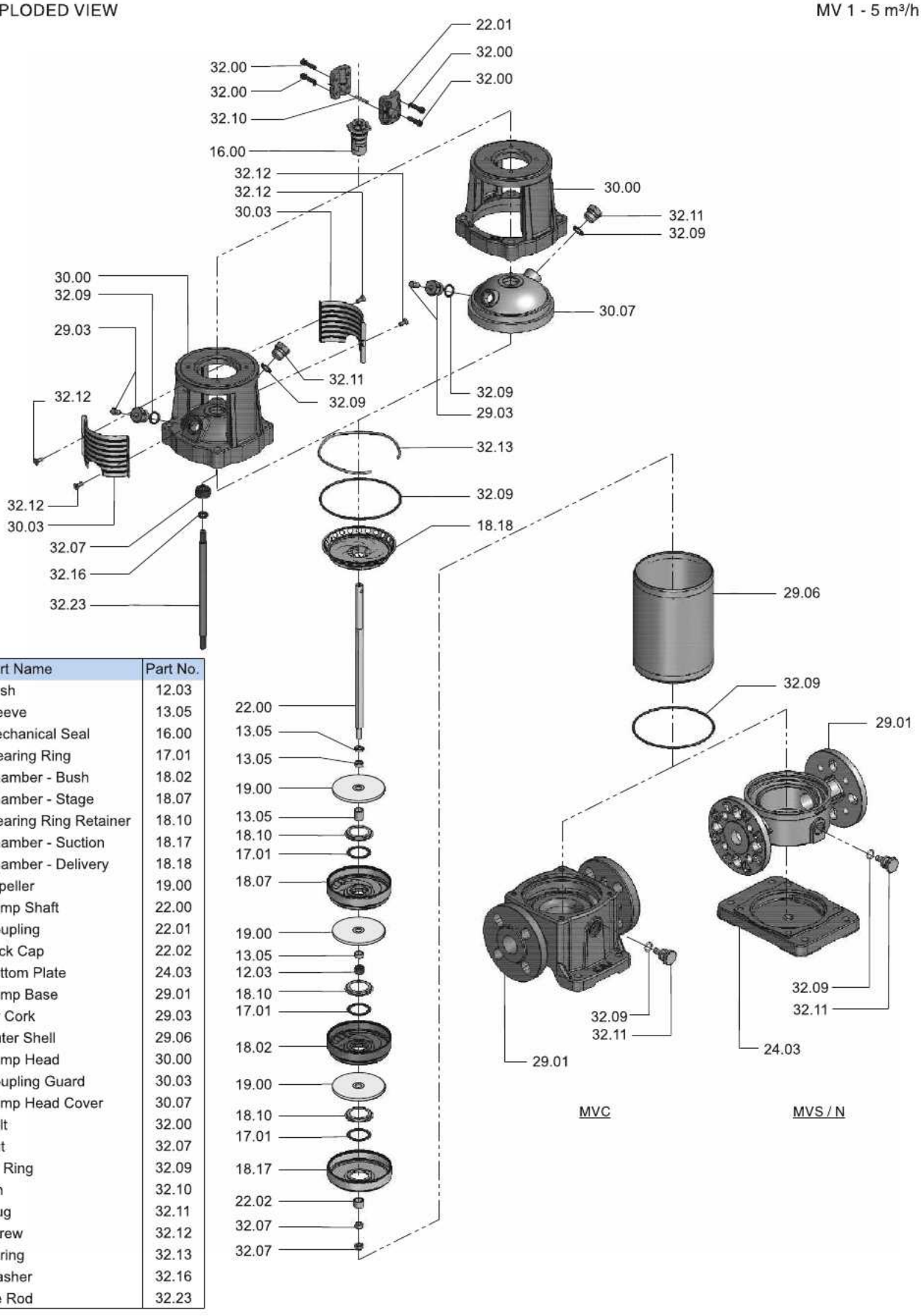


CURVE CONDITIONS

| Curve tolerance are according to ISO 9906, Grade 3B | The performance are taken at rated voltage & speed that are only indicative | Actual discharge depends on availability of water in well / tank, height of water column from the suction pipe end | The measurements were made with airless water at 20°C when pumping liquids with a density higher than of water, motors with correspondingly higher outputs must be used | The bold curves indicate the recommended performance range | Pipe friction losses have not been included in the performance curves & performance tables | The pipe connection threads are given as per BSP standard | The main scales of the performance curve are "meter" and "m³/h", which have been given for head and flow respectively | The performance curves are applicable for all type of materials of construction.

EXPLODED VIEW

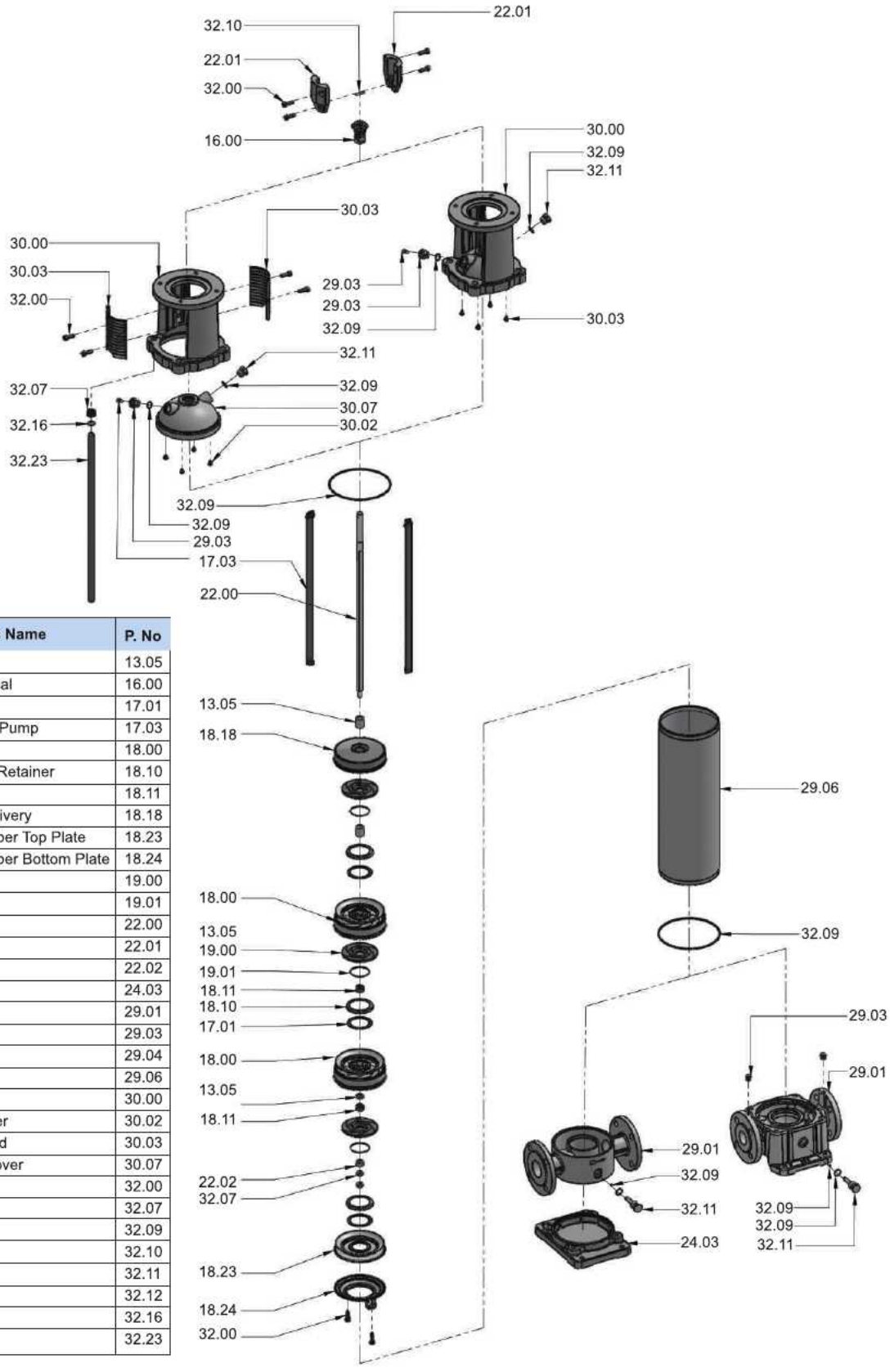
MV 1 - 5 m³/h



Part Name	Part No.
Bush	12.03
Sleeve	13.05
Mechanical Seal	16.00
Wearing Ring	17.01
Chamber - Bush	18.02
Chamber - Stage	18.07
Wearing Ring Retainer	18.10
Chamber - Suction	18.17
Chamber - Delivery	18.18
Impeller	19.00
Pump Shaft	22.00
Coupling	22.01
Lock Cap	22.02
Bottom Plate	24.03
Pump Base	29.01
Air Cork	29.03
Outer Shell	29.06
Pump Head	30.00
Coupling Guard	30.03
Pump Head Cover	30.07
Bolt	32.00
Nut	32.07
'O' Ring	32.09
Pin	32.10
Plug	32.11
Screw	32.12
Spring	32.13
Washer	32.16
Tie Rod	32.23

EXPLODED VIEW

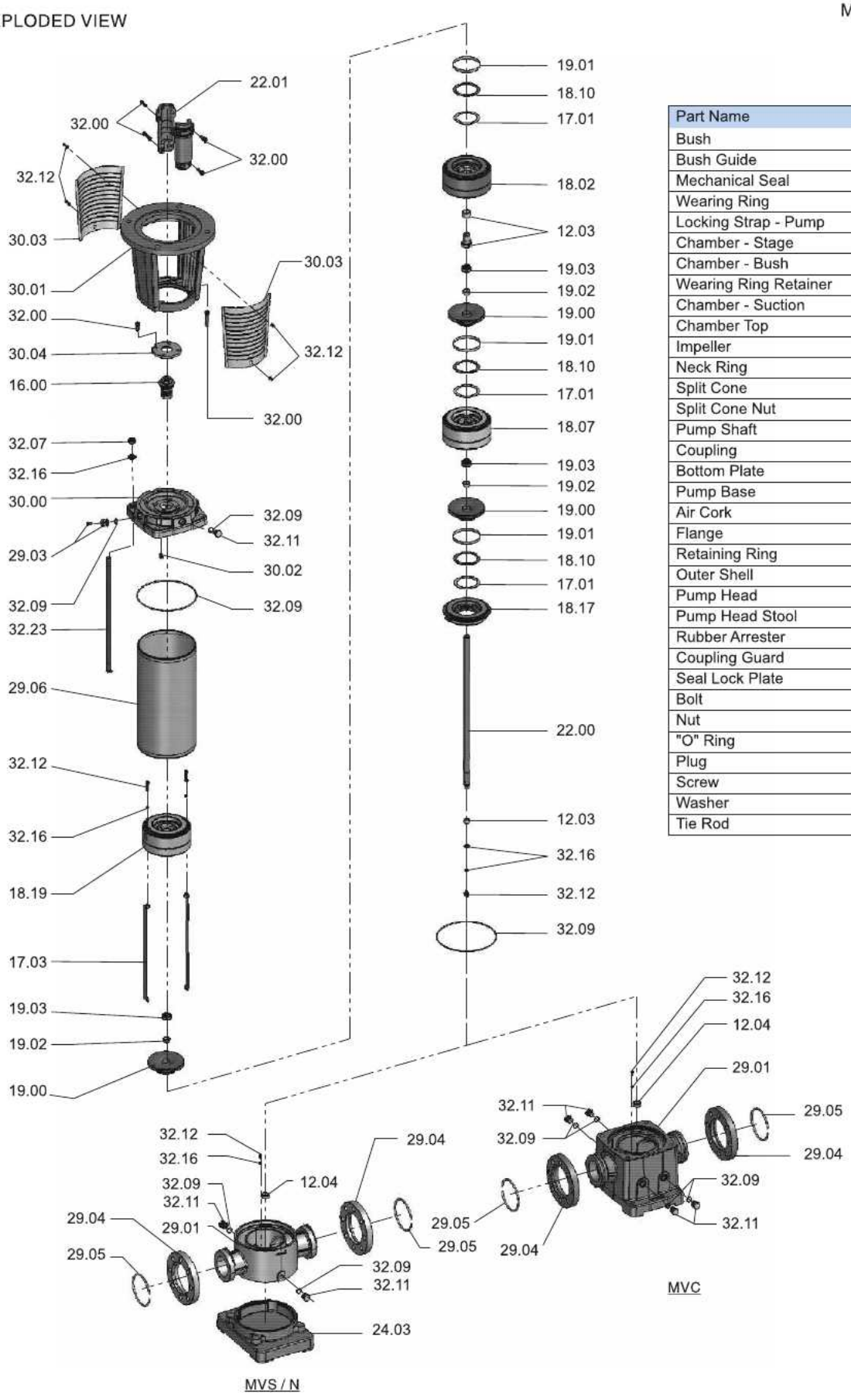
MV 10 - 20 m³/h



Parts Name	P. No
Sleeve	13.05
Mechanical Seal	16.00
Wearing Ring	17.01
Locking Strap-Pump	17.03
Chamber	18.00
Wearing Ring Retainer	18.10
Bearing Ring	18.11
Chamber - Delivery	18.18
Suction Chamber Top Plate	18.23
Suction Chamber Bottom Plate	18.24
Impeller	19.00
Neck Ring	19.01
Pump Shaft	22.00
Coupling	22.01
Lock Cap	22.02
Base Plate	24.03
Pump Base	29.01
Air Cork	29.03
Flange	29.04
Outer Shell	29.06
Pump Head	30.00
Rubber Arrester	30.02
Coupling Guard	30.03
Pump head Cover	30.07
Bolt	32.00
Nut	32.07
O-Ring	32.09
Pin	32.10
Plug	32.11
Screw	32.12
Washer	32.16
Tie Rod	32.23

EXPLODED VIEW

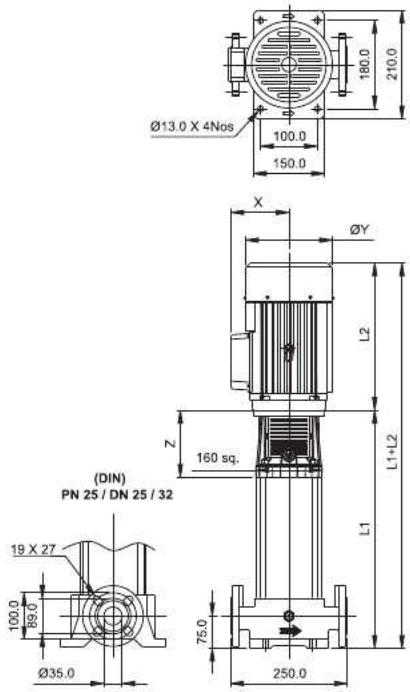
MV 32 - 90 m³/h



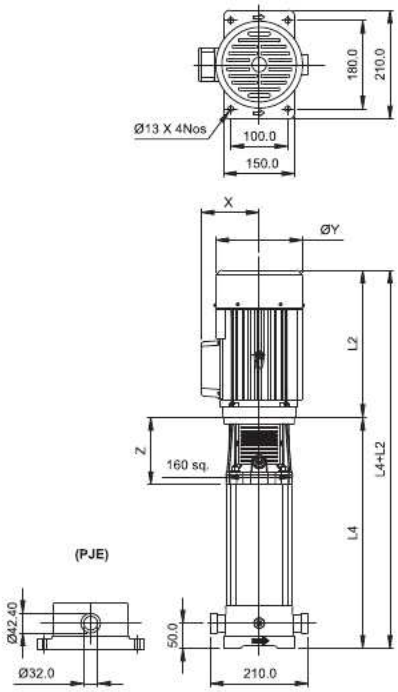
Part Name	Part No.
Bush	12.03
Bush Guide	12.04
Mechanical Seal	16.00
Wearing Ring	17.01
Locking Strap - Pump	17.03
Chamber - Stage	18.07
Chamber - Bush	18.02
Wearing Ring Retainer	18.10
Chamber - Suction	18.17
Chamber Top	18.19
Impeller	19.00
Neck Ring	19.01
Split Cone	19.02
Split Cone Nut	19.03
Pump Shaft	22.00
Coupling	22.01
Bottom Plate	24.03
Pump Base	29.01
Air Cork	29.03
Flange	29.04
Retaining Ring	29.05
Outer Shell	29.06
Pump Head	30.00
Pump Head Stool	30.01
Rubber Arrester	30.02
Coupling Guard	30.03
Seal Lock Plate	30.04
Bolt	32.00
Nut	32.07
"O" Ring	32.09
Plug	32.11
Screw	32.12
Washer	32.16
Tie Rod	32.23

MV-1

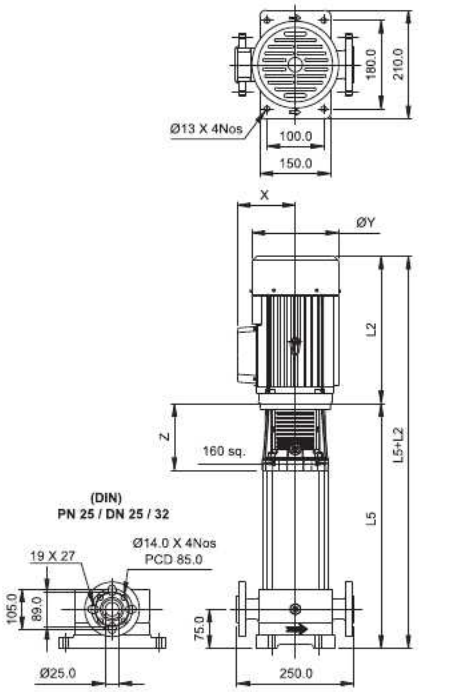
MVC (ROUND FLANGE)



MVS & N (PJE)



MVS & N (ROUND FLANGE)

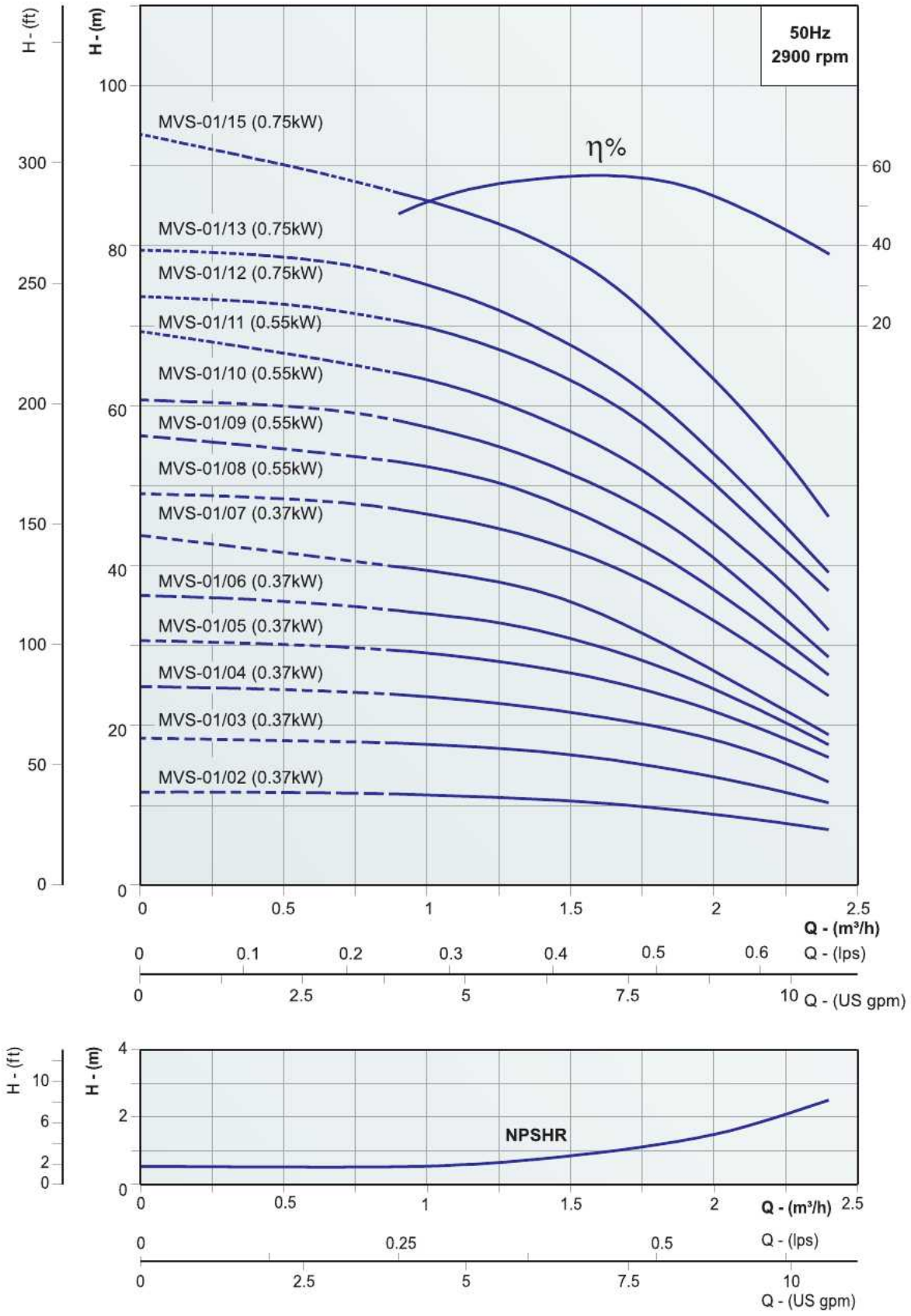


PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)									APPROX NETT WEIGHT WITHOUT PACKING IN kg				
				L2				X		ØY	Z	PUMP			MOTOR	
	kW	HP	L1	1Ph	3Ph	L3	L4	1Ph	3Ph			MVC (R)	MVS & N (P)	MVS & N (R)	1Ph	3Ph
MVS-1/02	0.37	0.5	269	222	217	249	273	126.5	118.5	140	146	18.6	13.4	15.0	9	8
MVS-1/03	0.37	0.5	287	222	217	267	291	126.5	118.5	140	146	19.2	14.0	15.6	9	8
MVS-1/04	0.37	0.5	305	222	217	285	309	126.5	118.5	140	146	19.8	14.6	16.2	9	8
MVS-1/05	0.37	0.5	323	222	217	303	327	126.5	118.5	140	146	20.4	15.2	16.8	9	8
MVS-1/06	0.37	0.5	341	222	217	321	345	126.5	118.5	140	146	21.0	15.8	17.4	9	8
MVS-1/07	0.37	0.5	359	222	217	339	363	126.5	118.5	140	146	21.6	16.4	18.0	9	8
MVS-1/08	0.55	0.75	377	242	232	357	381	126.5	118.5	140	146	22.2	17.0	18.6	10	9
MVS-1/09	0.55	0.75	395	242	232	375	399	126.5	118.5	140	146	22.8	17.6	19.2	10	9
MVS-1/10	0.55	0.75	413	242	232	393	417	126.5	118.5	140	146	23.4	18.2	19.8	10	9
MVS-1/11	0.55	0.75	431	242	232	411	435	126.5	118.5	140	146	24.0	18.8	20.4	10	9
MVS-1/12	0.75	1	449	267	252	429	453	131.5	124.5	160	146	24.6	19.4	21.0	12	14
MVS-1/13	0.75	1	467	267	252	447	471	131.5	124.5	160	146	25.2	20.0	21.6	12	14
MVS-1/15	0.75	1	503	267	252	483	507	131.5	124.5	160	146	26.4	21.2	22.8	12	14

NOMINAL FLOW : 1m³/h

PERFORMANCE CURVES

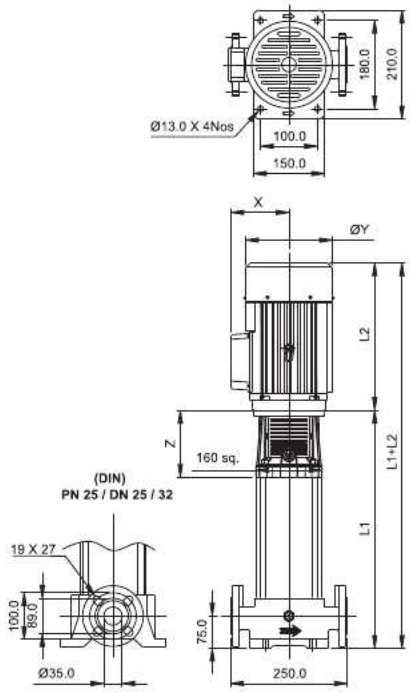
MV-1



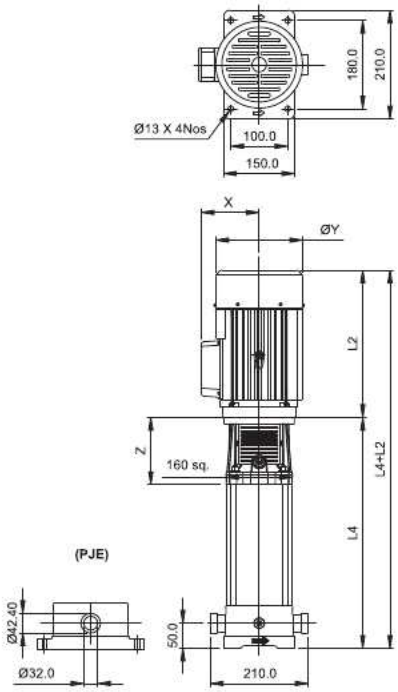
Replace the 3rd digit in model name as "C" for Cast Iron pump base & pump head models and "N" for SS 316 construction.
The given performance is same for Type - C, S & N
In view of the continuous developments the Information / Descriptions / Specifications / Illustrations are subject to change without notice.

MV-1

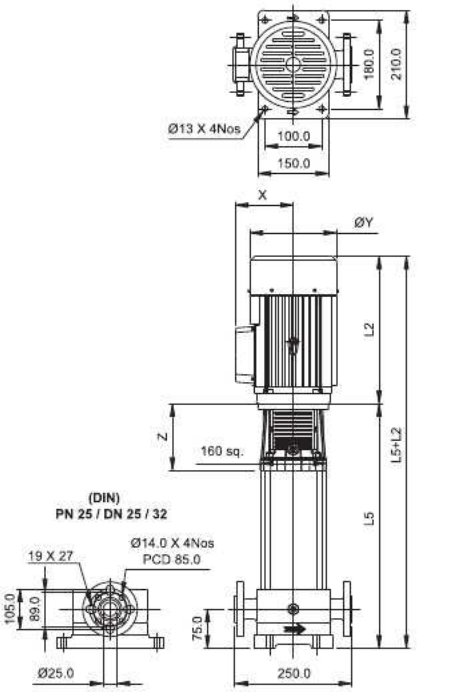
MVC (ROUND FLANGE)



MVS & N (PJE)



MVS & N (ROUND FLANGE)

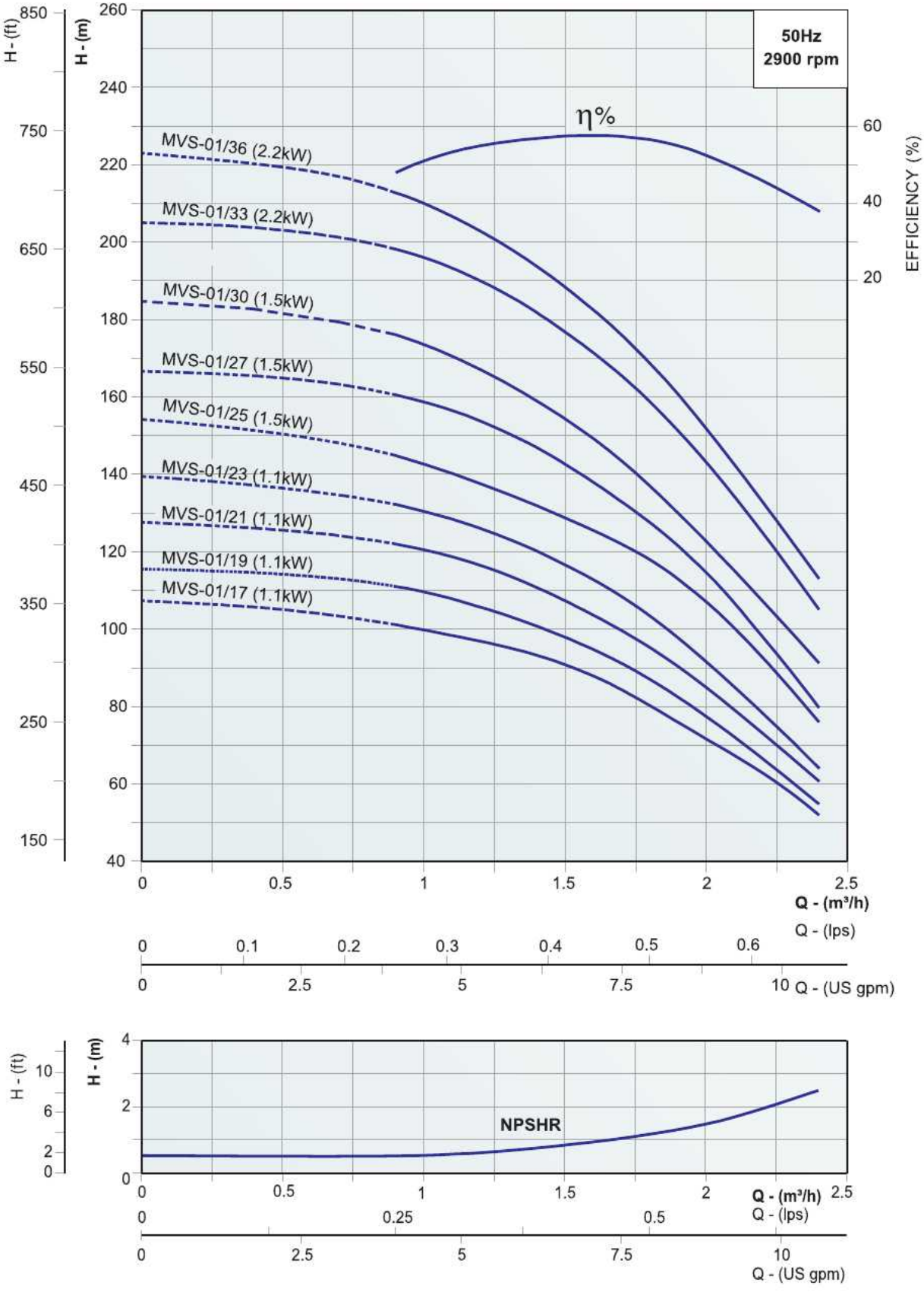


PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)									APPROX NETT WEIGHT WITHOUT PACKING IN kg				
				L2				X		ØY	Z	PUMP			MOTOR	
	kW	HP	L1	1Ph	3Ph	L3	L4	1Ph	3Ph			MVC (R)	MVS & N (P)	MVS & N (R)	1Ph	3Ph
MVS-1/17	1.1	1.5	539	284	284	519	543	131.5	124.5	160	146	28	22	24	15	14
MVS-1/19	1.1	1.5	575	284	284	555	579	131.5	124.5	160	146	29	24	25	15	14
MVS-1/21	1.1	1.5	611	284	284	591	615	131.5	124.5	160	146	30	25	26	15	14
MVS-1/23	1.1	1.5	647	284	284	627	651	131.5	124.5	160	146	31	26	28	15	14
MVS-1/25	1.5	2	701	294	295	681	705	146	132	170	163	32	27	29	20	20
MVS-1/27	1.5	2	737	294	295	717	741	146	132	170	163	34	28	30	20	20
MVS-1/30	1.5	2	791	294	295	771	795	146	132	170	163	35	30	32	20	20
MVS-1/33	2.2	3	845	320	305	825	849	146	132	170	163	37	32	34	24	20
MVS-1/36	2.2	3	899	320	305	879	903	146	132	170	163	39	34	35	24	20

NOMINAL FLOW : 1m³/h

PERFORMANCE CURVES

MV-1



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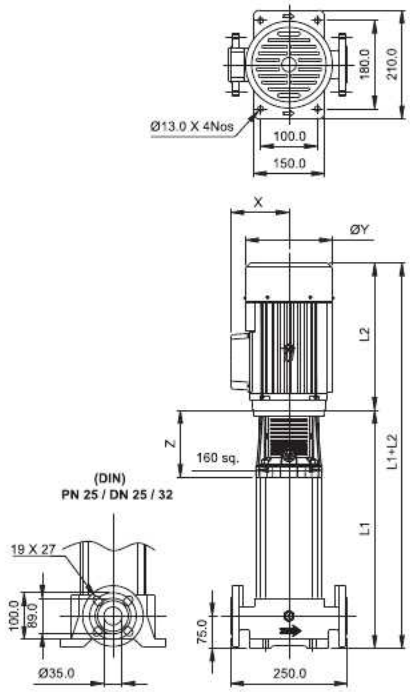
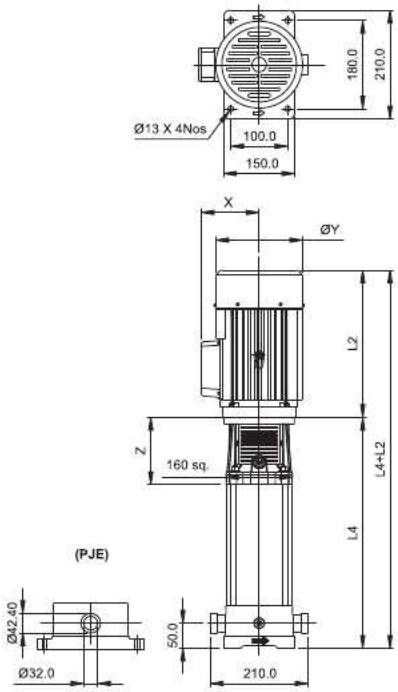
MV-2

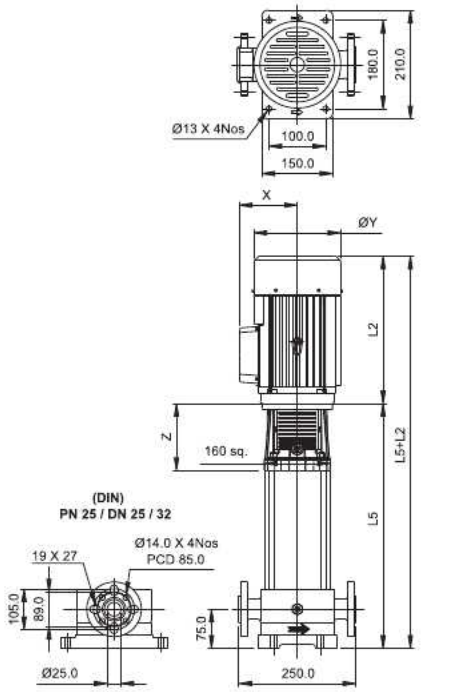
MVC (ROUND FLANGE)



MVS & N (PJE)



MVS & N (ROUND FLANGE)

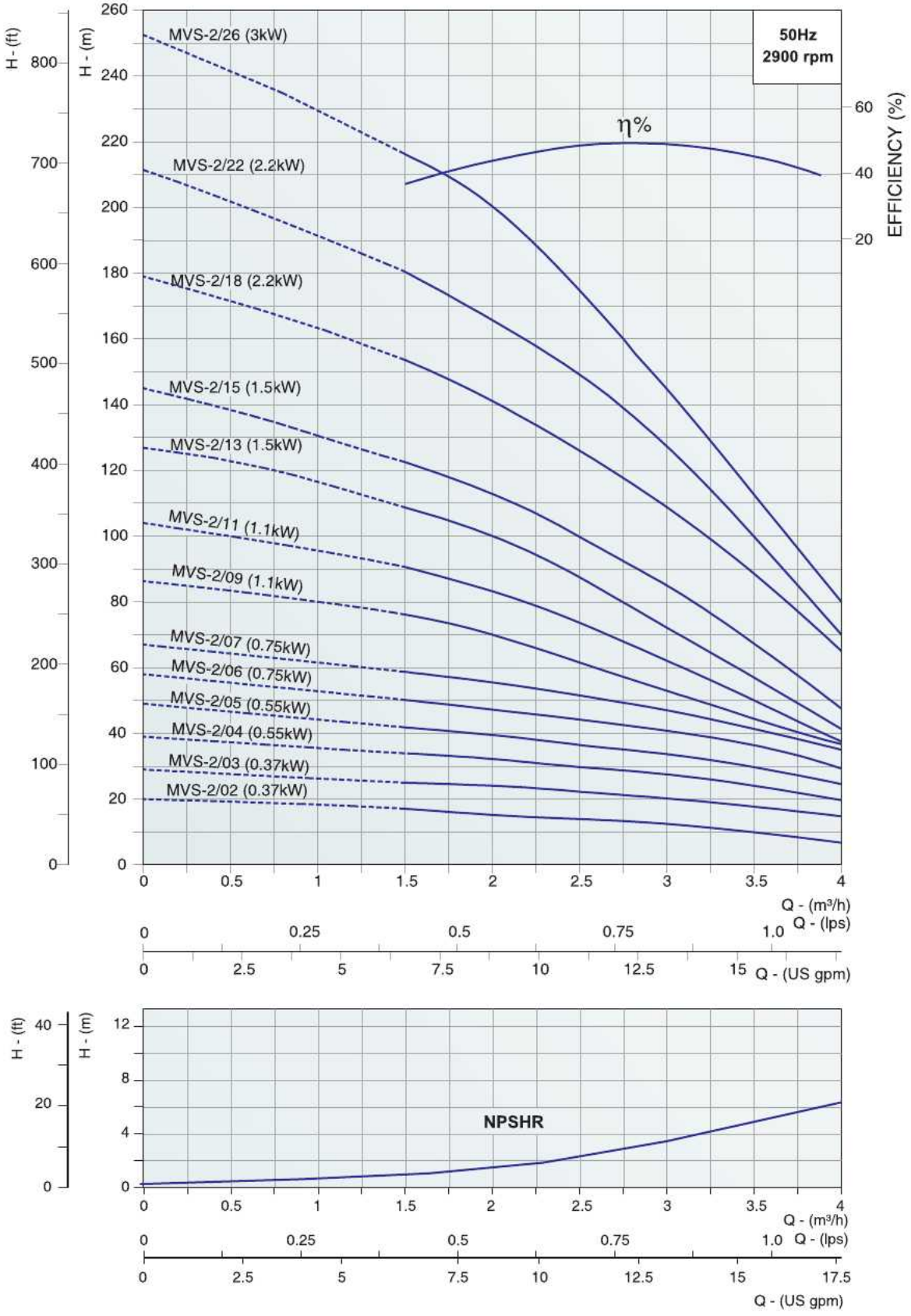


PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)									APPROX NETT WEIGHT WITHOUT PACKING IN kg				
				L2				X		ØY	Z	PUMP			MOTOR	
	kW	HP	L1	1Ph	3Ph	L3	L4	1Ph	3Ph			MVC (R)	MVS & N (P)	MVS & N (R)	1Ph	3Ph
MVS-2/02	0.37	0.5	269	222	217	249	273	126.5	118.5	140	146	18.6	13.4	15.0	9	8
MVS-2/03	0.37	0.5	287	222	217	267	291	126.5	118.5	140	146	19.3	14.1	15.7	9	8
MVS-2/04	0.55	0.75	305	242	232	285	309	126.5	118.5	140	146	20.0	14.8	16.4	10	9
MVS-2/05	0.55	0.75	323	242	232	303	327	126.5	118.5	140	146	20.7	15.5	17.1	10	9
MVS-2/06	0.75	1	341	267	252	321	345	131.5	124.5	160	146	21.4	16.2	18.7	12	14
MVS-2/07	0.75	1	359	267	252	339	363	131.5	124.5	160	146	22.1	16.9	18.5	12	14
MVS-2/09	1.1	1.5	395	284	284	375	399	131.5	124.5	160	146	23.6	18.4	20.0	15	14
MVS-2/11	1.1	1.5	431	284	284	411	435	131.5	124.5	160	146	25.0	19.8	21.4	15	14
MVS-2/13	1.5	2	485	294	295	465	489	146	132	170	163	26.6	22.0	23.6	20	20
MVS-2/15	1.5	2	521	294	295	501	525	146	132	170	163	28.0	23.4	25.0	20	20
MVS-2/18	2.2	3	575	320	305	555	579	146	132	170	163	30.1	25.5	26.6	24	20
MVS-2/22	2.2	3	647	320	305	627	651	146	132	170	163	33.0	28.4	30.0	24	20
MVS-2/26	3	4	719	-	320	699	723	-	146.5	187	163	35.9	31.3	32.9	-	24

NOMINAL FLOW : 2m³/h

PERFORMANCE CURVES

MV-2



Replace the 3rd digit in model name as "C" for Cast Iron pump base & pump head models and "N" for SS 316 construction.
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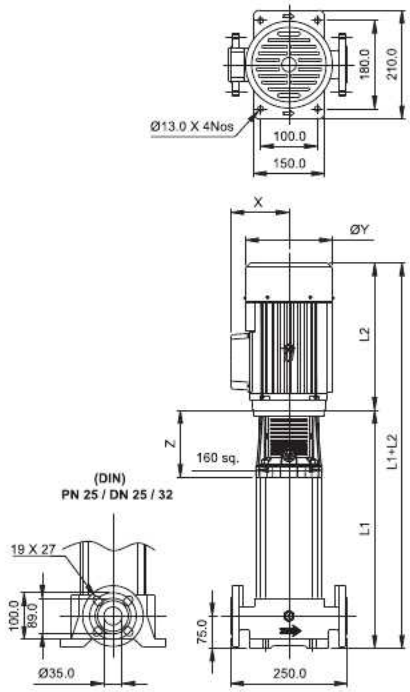
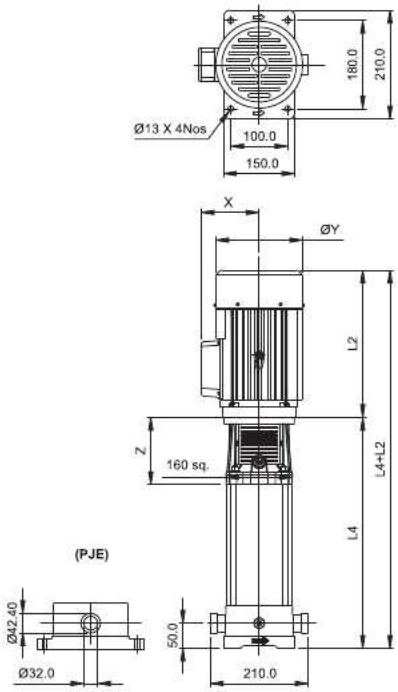
MV-3

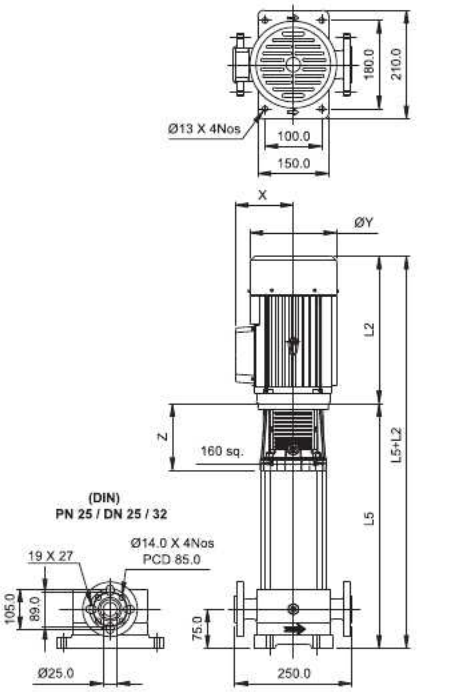
MVC (ROUND FLANGE)



MVS & N (PJE)



MVS & N (ROUND FLANGE)

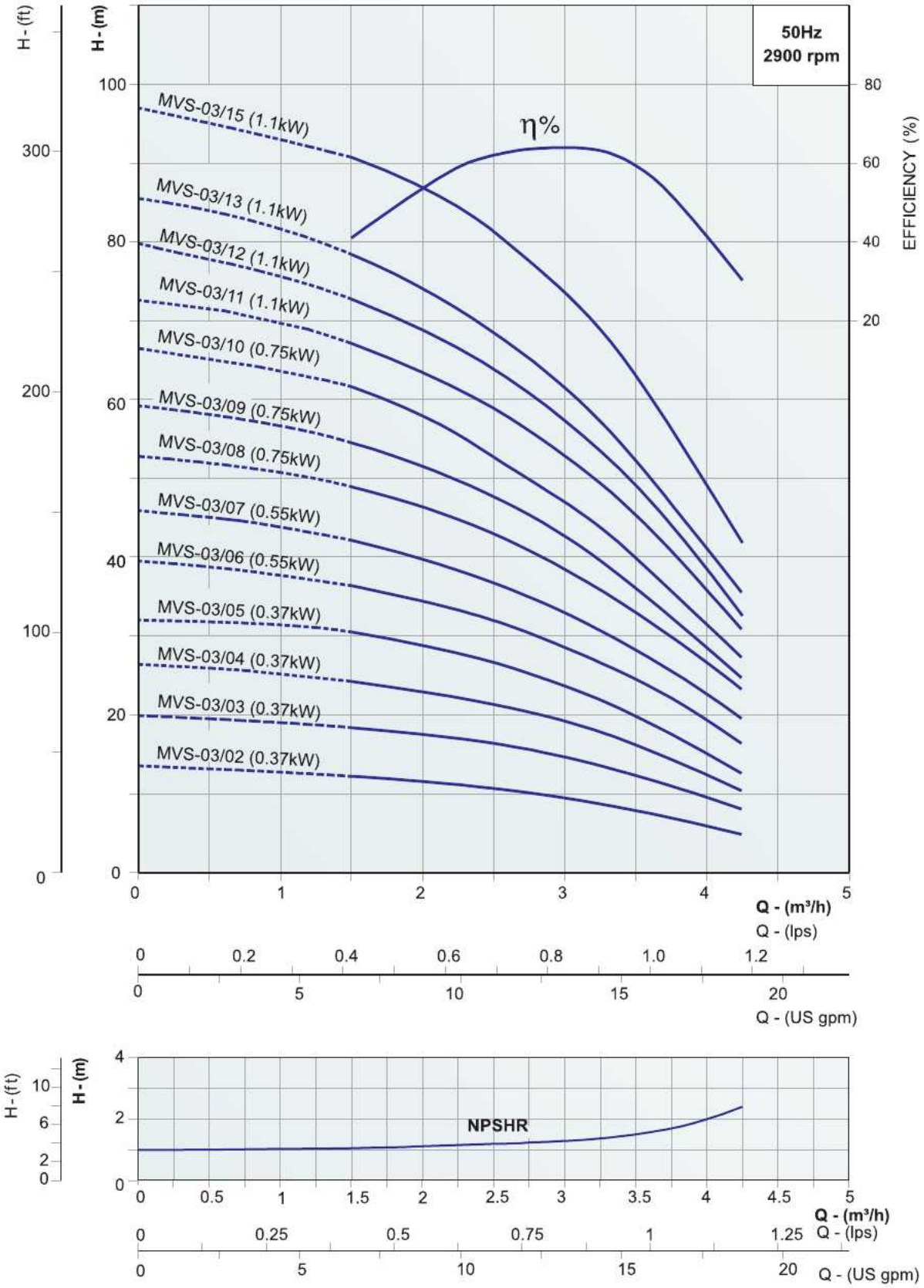


PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)									APPROX NETT WEIGHT WITHOUT PACKING IN kg				
				L2				X		ØY	Z	PUMP			MOTOR	
	kW	HP	L1	1Ph	3Ph	L3	L4	1Ph	3Ph			MVC (R)	MVS & N (P)	MVS & N (R)	1Ph	3Ph
MVS-3/02	0.37	0.5	269	222	217	249	273	126.5	118.5	140	146	18.6	13.4	15.0	9	8
MVS-3/03	0.37	0.5	287	222	217	267	291	126.5	118.5	140	146	19.2	14.0	15.6	9	8
MVS-3/04	0.37	0.5	305	222	217	285	309	126.5	118.5	140	146	19.8	14.6	16.2	9	8
MVS-3/05	0.37	0.5	323	222	217	303	327	126.5	118.5	140	146	20.4	15.2	16.8	9	8
MVS-3/06	0.55	0.75	341	242	232	321	345	126.5	118.5	140	146	21.0	15.8	17.4	10	9
MVS-3/07	0.55	0.75	359	242	232	339	363	126.5	118.5	140	146	21.6	16.4	18.0	10	9
MVS-3/08	0.75	1	377	267	252	357	381	131.5	124.5	160	146	22.2	17.0	18.6	12	14
MVS-3/09	0.75	1	395	267	252	375	399	131.5	124.5	160	146	22.8	17.6	19.2	12	14
MVS-3/10	0.75	1	413	267	252	393	417	131.5	124.5	160	146	23.4	18.2	19.8	12	14
MVS-3/11	1.1	1.5	431	284	284	411	435	131.5	124.5	160	146	24.0	18.8	20.4	15	14
MVS-3/12	1.1	1.5	449	284	284	429	453	131.5	124.5	160	146	24.6	19.4	21.0	15	14
MVS-3/13	1.1	1.5	467	284	284	447	471	131.5	124.5	160	146	25.2	20.0	21.6	15	14
MVS-3/15	1.1	1.5	503	284	284	483	507	131.5	124.5	160	146	26.4	21.2	22.8	15	14

NOMINAL FLOW : 3m³/h

PERFORMANCE CURVES

MV-3



Replace the 3rd digit in model name as "C" for Cast Iron pump base & pump head models and "N" for SS 316 construction.
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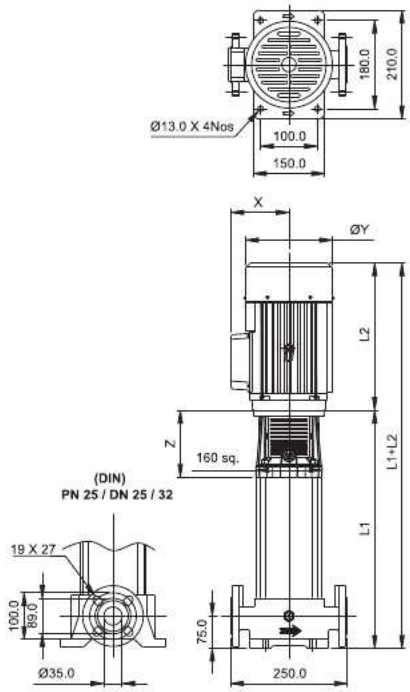
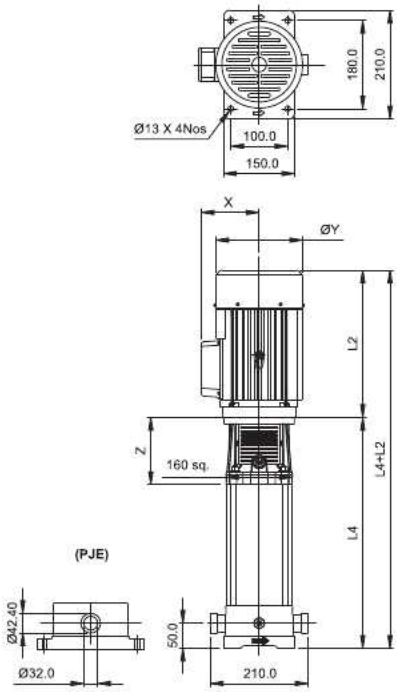
MV-3

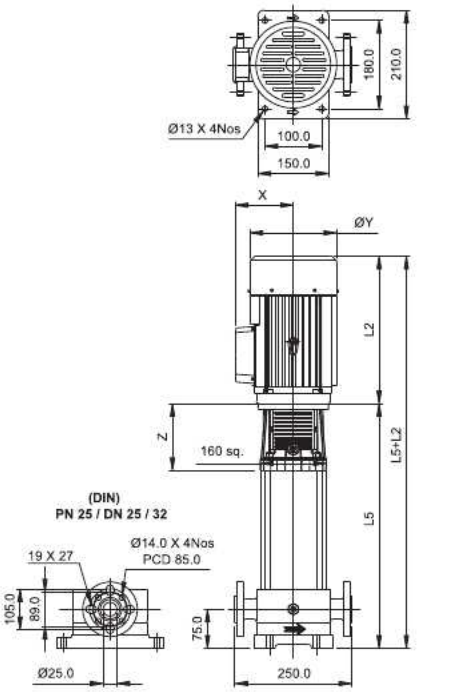
MVC (ROUND FLANGE)



MVS & N (PJE)



MVS & N (ROUND FLANGE)

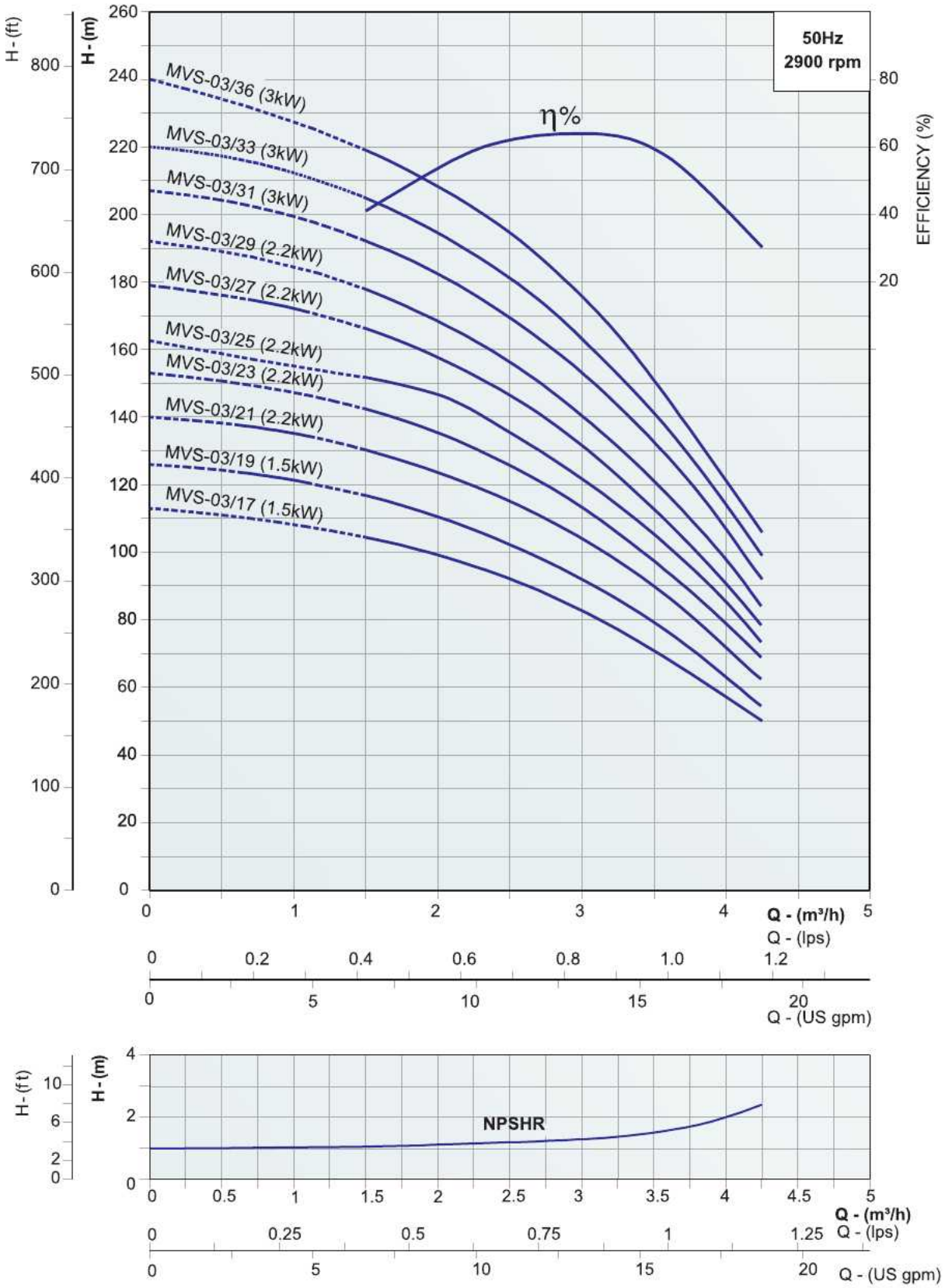


PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)									APPROX NETT WEIGHT WITHOUT PACKING IN kg				
				L2				X				PUMP			MOTOR	
	kW	HP	L1	1Ph	3Ph	L3	L4	1Ph	3Ph	ØY	Z	MVC (R)	MVS & N (P)	MVS & N (R)	1Ph	3Ph
MVS-3/17	1.5	2	557	294	295	537	561	146	132	170	163	28	22	24	20	20
MVS-3/19	1.5	2	593	294	295	573	597	146	132	170	163	29	24	25	20	20
MVS-3/21	2.2	3	629	320	305	609	633	146	132	170	163	30	25	26	24	20
MVS-3/23	2.2	3	665	320	305	645	669	146	132	170	163	31	26	28	24	20
MVS-3/25	2.2	3	701	320	305	681	705	146	132	170	163	32	27	29	24	20
MVS-3/27	2.2	3	737	320	305	717	741	146	132	170	163	34	28	30	24	20
MVS-3/29	2.2	3	773	320	305	753	777	146	132	170	163	35	30	31	24	20
MVS-3/31	3	4	809	-	320	789	813	-	146.5	187	163	36	32	33	-	24
MVS-3/33	3	4	845	-	320	825	849	-	146.5	187	163	37	32	34	-	24
MVS-3/36	3	4	899	-	320	879	903	-	146.5	187	163	39	34	35	-	24

NOMINAL FLOW : 3m³/h

PERFORMANCE CURVES

MV-3



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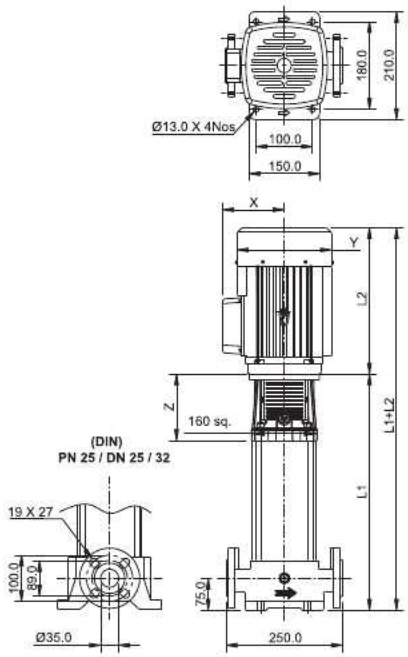
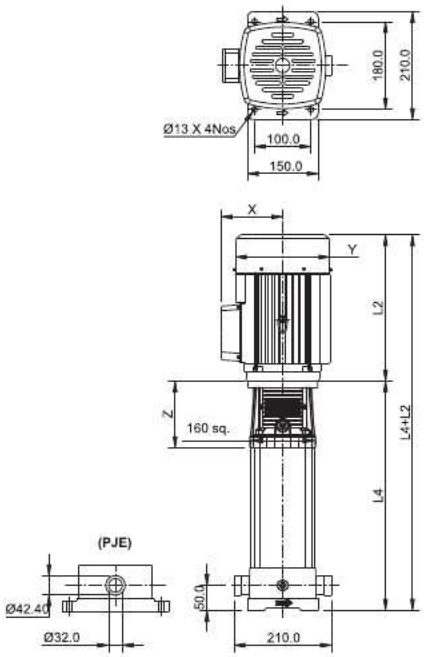
MV-4

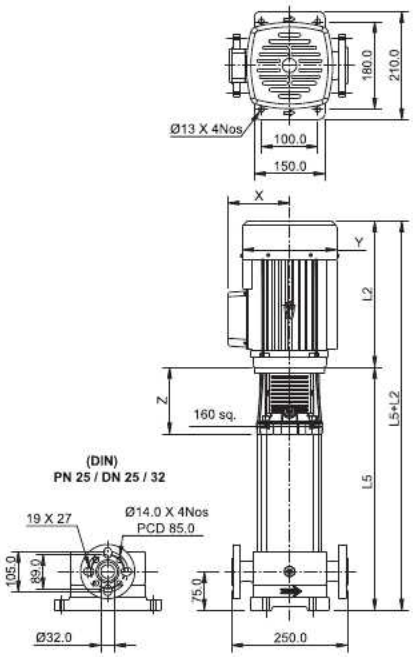
MVC (ROUND FLANGE)



MVS & N (PJE)



MVS & N (ROUND FLANGE)

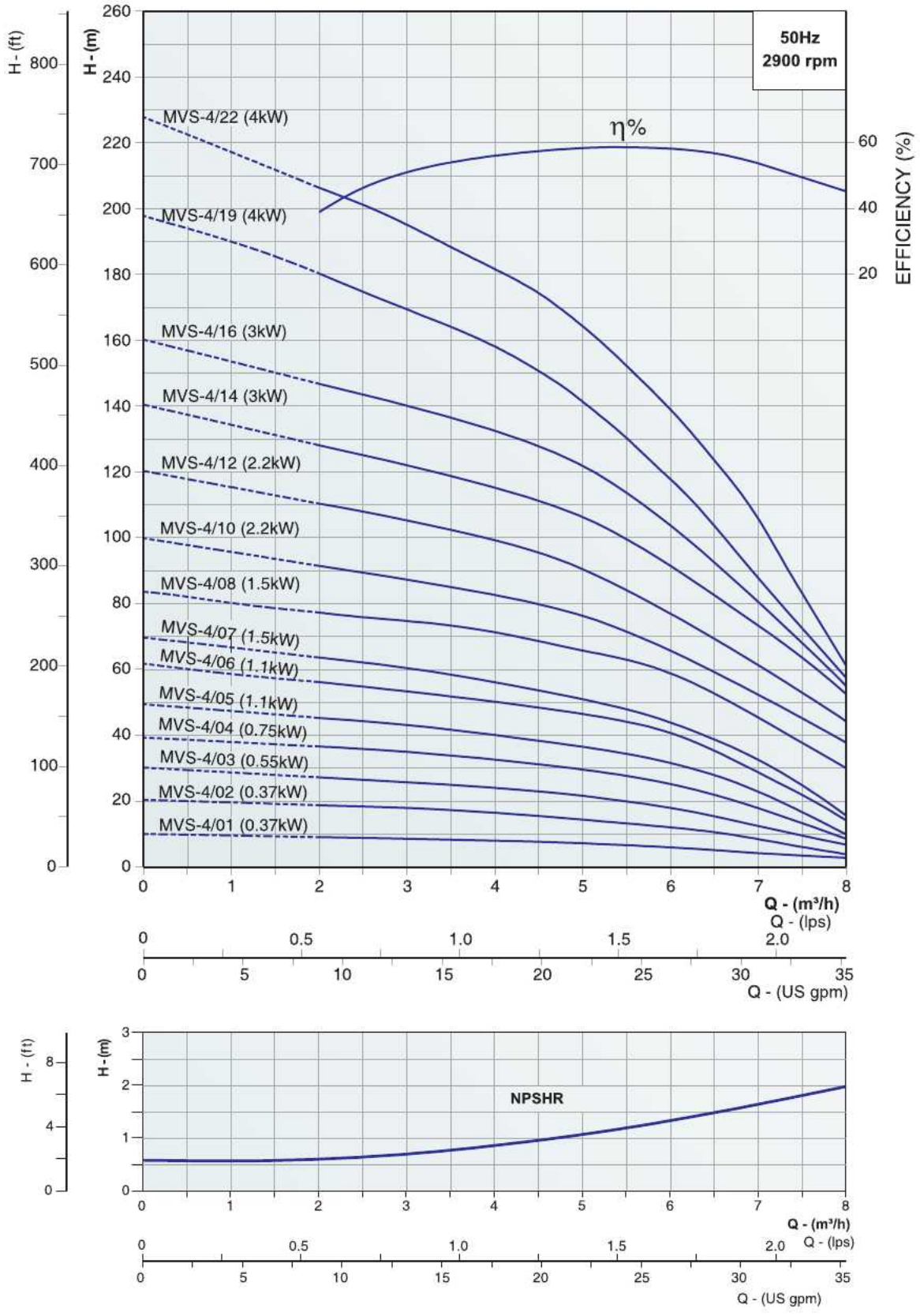


PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)									APPROX NETT WEIGHT WITHOUT PACKING IN kg				
				L2				X				PUMP			MOTOR	
	kW	HP	L1	1Ph	3Ph	L3	L4	1Ph	3Ph	ØY	Z	MVC (R)	MVS & N (P)	MVS & N (R)	1Ph	3Ph
MVS-4/01	0.37	0.5	257	222	217	267	291	126.5	118.5	140	146	21.9	16.7	18.3	9	8
MVS-4/02	0.37	0.5	287	222	217	294	318	126.5	118.5	140	146	22.6	17.4	19.0	9	8
MVS-4/03	0.55	0.75	314	242	232	321	345	126.5	118.5	140	146	23.3	18.1	19.7	10	9
MVS-4/04	0.75	1	341	267	252	348	372	131.5	124.5	160	146	24.0	18.8	20.4	12	14
MVS-4/05	1.1	1.5	368	284	284	375	399	131.5	124.5	160	146	24.7	19.5	21.1	15	14
MVS-4/06	1.1	1.5	395	284	284	402	426	131.5	124.5	160	146	25.4	20.2	21.8	15	14
MVS-4/07	1.5	2	440	294	295	447	471	146	132	170	163	26.1	21.5	23.1	20	20
MVS-4/08	1.5	2	467	294	295	474	498	146	132	170	163	26.8	22.2	23.8	20	20
MVS-4/10	2.2	3	521	320	305	528	552	146	132	170	163	28.1	23.5	25.1	24	20
MVS-4/12	2.2	3	575	320	305	582	606	146	132	170	163	29.4	24.8	26.4	24	20
MVS-4/14	3	4	629	-	320	636	660	-	146.5	187	163	30.1	25.5	27.1	-	24
MVS-4/16	3	4	683	-	320	690	714	-	146.5	187	163	32.0	27.4	29.0	-	24
MVS-4/19	4	5.5	764	-	354	771	795	-	162	217	163	34.0	29.4	31.0	-	28
MVS-4/22	4	5.5	845	-	354	852	876	-	162	217	163	36.0	31.4	33.0	-	28

NOMINAL FLOW : 4m³/h

PERFORMANCE CURVES

MV-4



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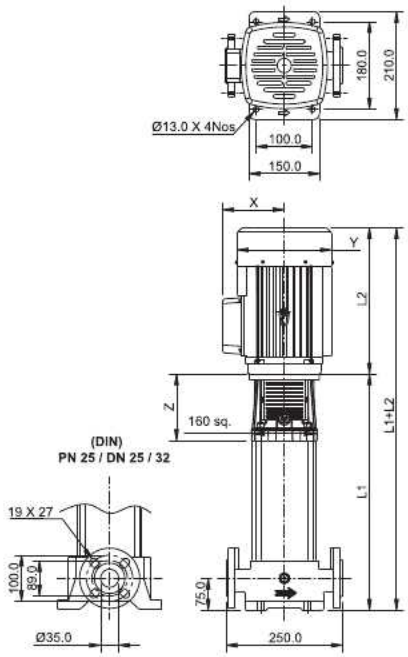
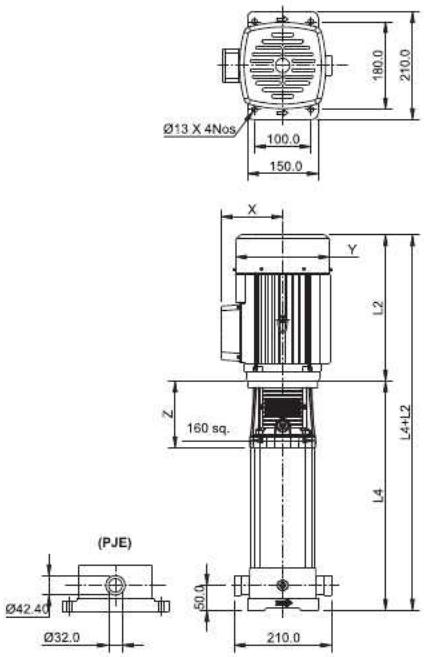
MV-5

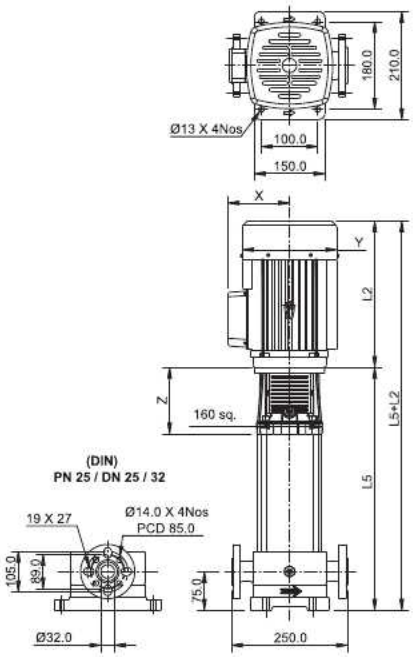
MVC (ROUND FLANGE)



MVS & N (PJE)



MVS & N (ROUND FLANGE)

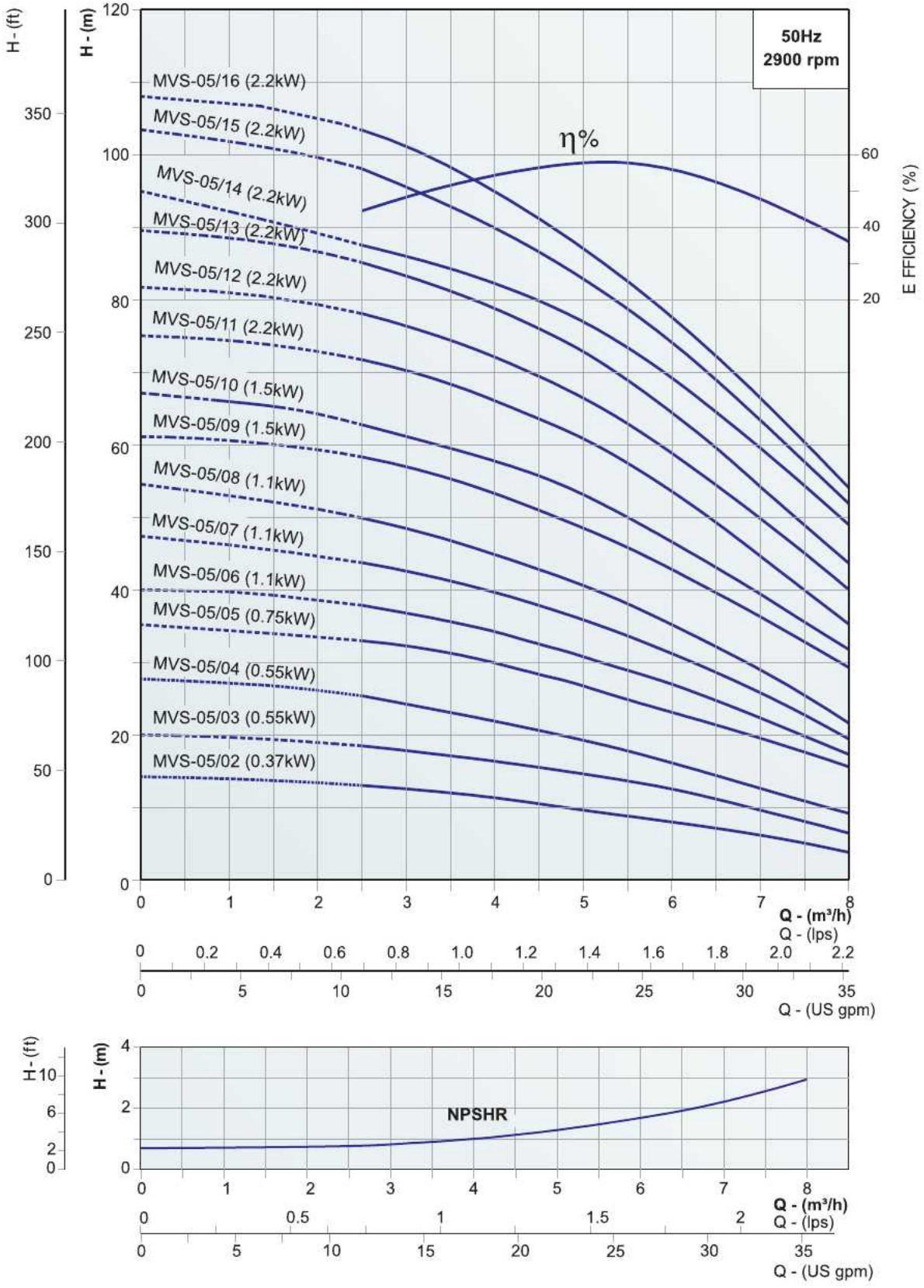


PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)									APPROX NETT WEIGHT WITHOUT PACKING IN kg				
				L2				X		ØY	Z	PUMP			MOTOR	
	kW	HP	L1	1Ph	3Ph	L3	L4	1Ph	3Ph			MVC (R)	MVS & N (P)	MVS & N (R)	1Ph	3Ph
MVS-5/02	0.37	0.5	287	222	217	267	291	126.5	118.5	140	146	22.6	17.4	19.0	9	8
MVS-5/03	0.55	0.75	314	242	232	294	318	126.5	118.5	140	146	23.5	18.3	19.9	10	9
MVS-5/04	0.55	0.75	341	242	232	321	345	126.5	118.5	140	146	24.4	19.2	20.8	10	9
MVS-5/05	0.75	1	368	267	252	348	372	131.5	124.5	160	146	25.3	20.1	21.7	12	14
MVS-5/06	1.1	1.5	395	284	284	375	399	131.5	124.5	160	146	26.2	21.0	22.6	15	14
MVS-5/07	1.1	1.5	422	284	284	402	426	131.5	124.5	160	146	27.1	21.9	23.5	15	14
MVS-5/08	1.1	1.5	449	284	284	429	453	131.5	124.5	160	146	28.0	22.8	24.4	15	14
MVS-5/09	1.5	2	494	294	295	474	498	146	132	170	163	28.9	23.7	25.3	20	20
MVS-5/10	1.5	2	521	294	295	501	525	146	132	170	163	29.8	24.6	26.2	20	20
MVS-5/11	2.2	3	548	320	305	528	552	146	132	170	163	30.7	25.5	27.1	24	20
MVS-5/12	2.2	3	575	320	305	555	579	146	132	170	163	31.6	26.4	28.0	24	20
MVS-5/13	2.2	3	602	320	305	582	606	146	132	170	163	32.5	27.3	28.9	24	20
MVS-5/14	2.2	3	629	320	305	609	633	146	132	170	163	33.4	28.2	29.8	24	20
MVS-5/15	2.2	3	656	320	305	636	660	146	132	170	163	34.3	29.1	30.7	24	20
MVS-5/16	2.2	3	683	320	305	663	687	146	132	170	163	35.2	30.0	31.6	24	20

NOMINAL FLOW : 5m³/h

PERFORMANCE CURVES

MV-5



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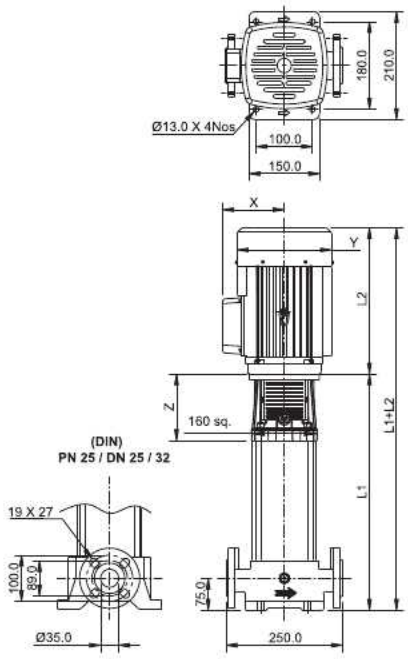
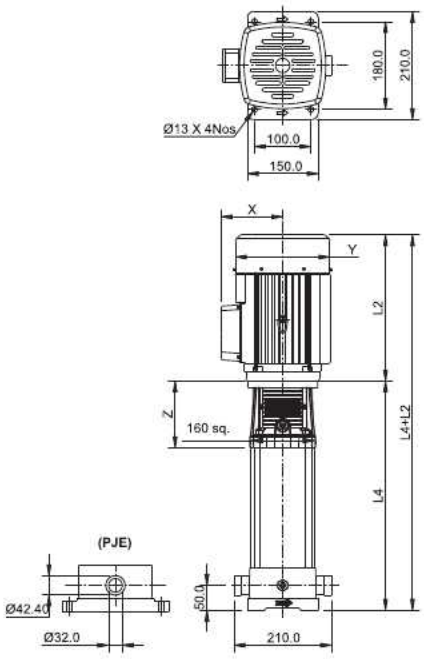
MV-5

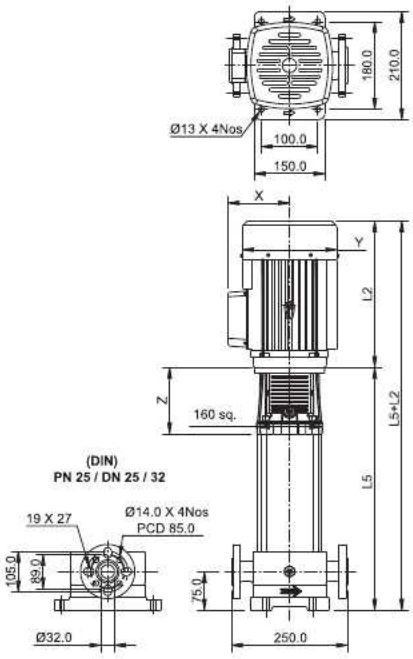
MVC (ROUND FLANGE)



MVS & N (PJE)



MVS & N (ROUND FLANGE)

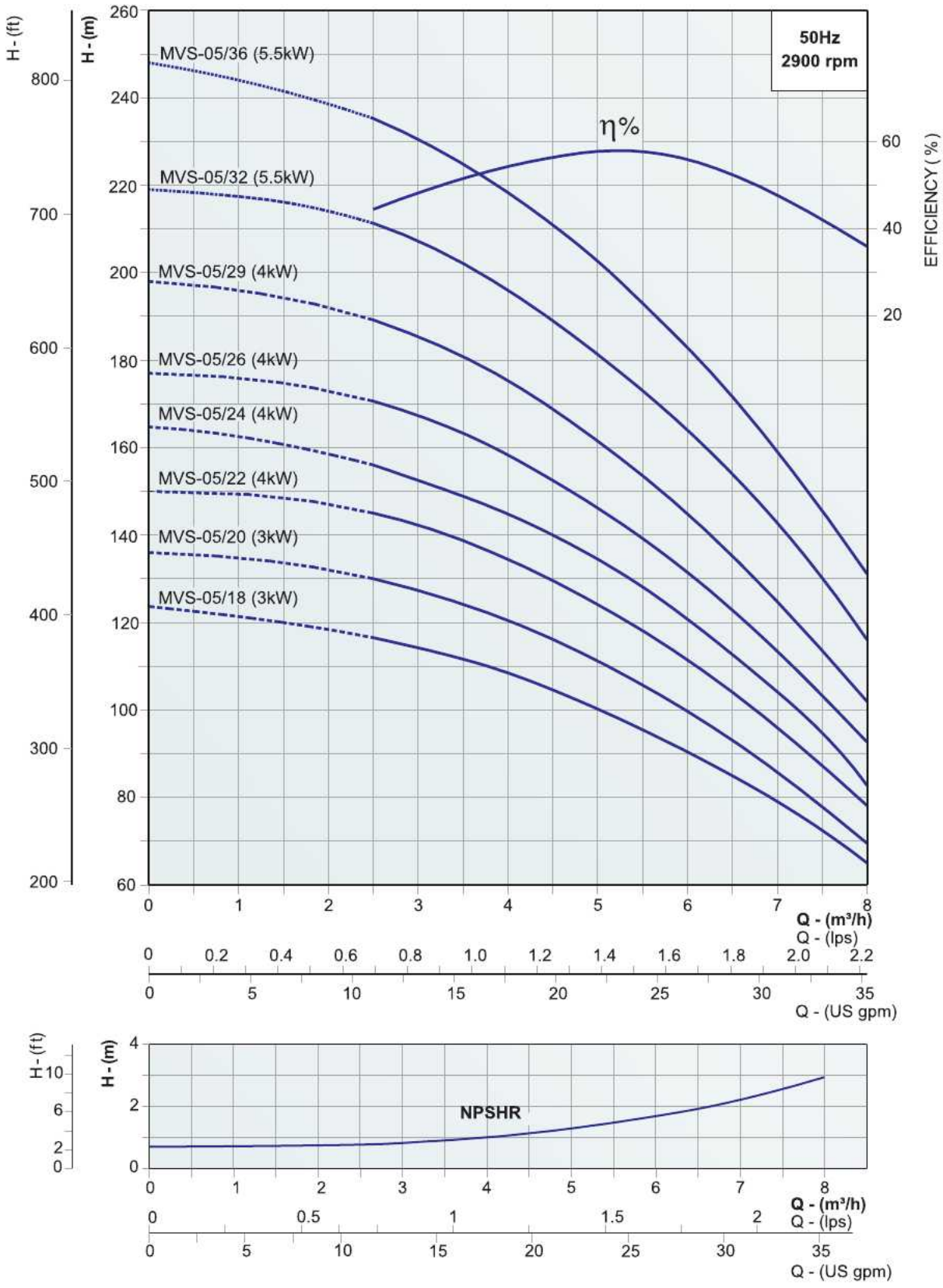


PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)									APPROX NETT WEIGHT WITHOUT PACKING IN kg				
				L2				X		ØY	Z	PUMP			MOTOR	
	kW	HP	L1	1Ph	3Ph	L3	L4	1Ph	3Ph			MVC (R)	MVS & N (P)	MVS & N (R)	1Ph	3Ph
MVS-5/18	3	4	737	-	320	717	741	-	146.5	187	163	37	32	33	-	24
MVS-5/20	3	4	791	-	320	771	795	-	146.5	187	163	39	34	35	-	24
MVS-5/22	4	5.5	845	-	354	825	849	-	162	217	163	41	35	37	-	28
MVS-5/24	4	5.5	899	-	354	879	903	-	162	217	163	42	37	39	-	28
MVS-5/26	4	5.5	953	-	354	933	957	-	162	217	163	44	39	41	-	28
MVS-5/29	4	5.5	1034	-	354	1014	1038	-	162	217	163	46	42	43	-	28
MVS-5/32	5.5	7.5	1149	-	385	1129	1153	-	205	247	197	49	44	46	-	41
MVS-5/36	5.5	7.5	1257	-	385	1237	1261	-	205	247	197	52	48	50	-	41

NOMINAL FLOW : 5m³/h

PERFORMANCE CURVES

MV-5



Replace the 3rd digit in model name as "C" for Cast Iron pump base & pump head models and "N" for SS 316 construction.
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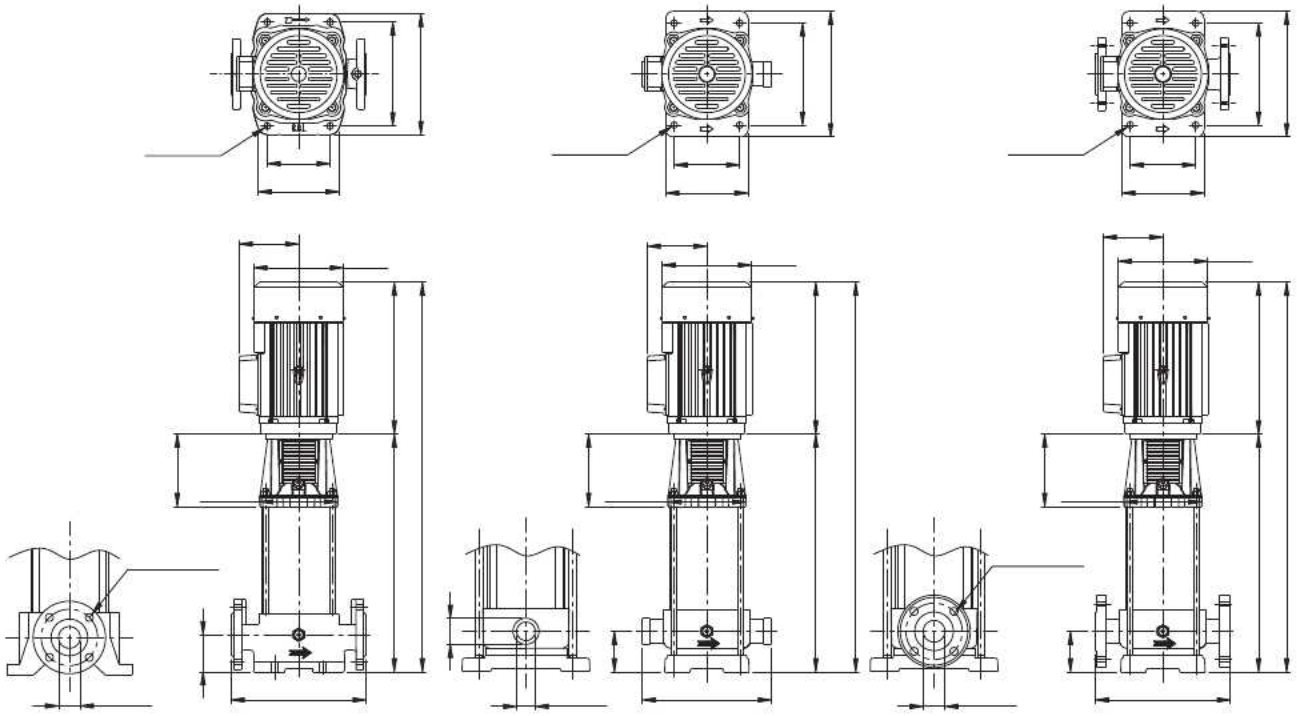
MV-8

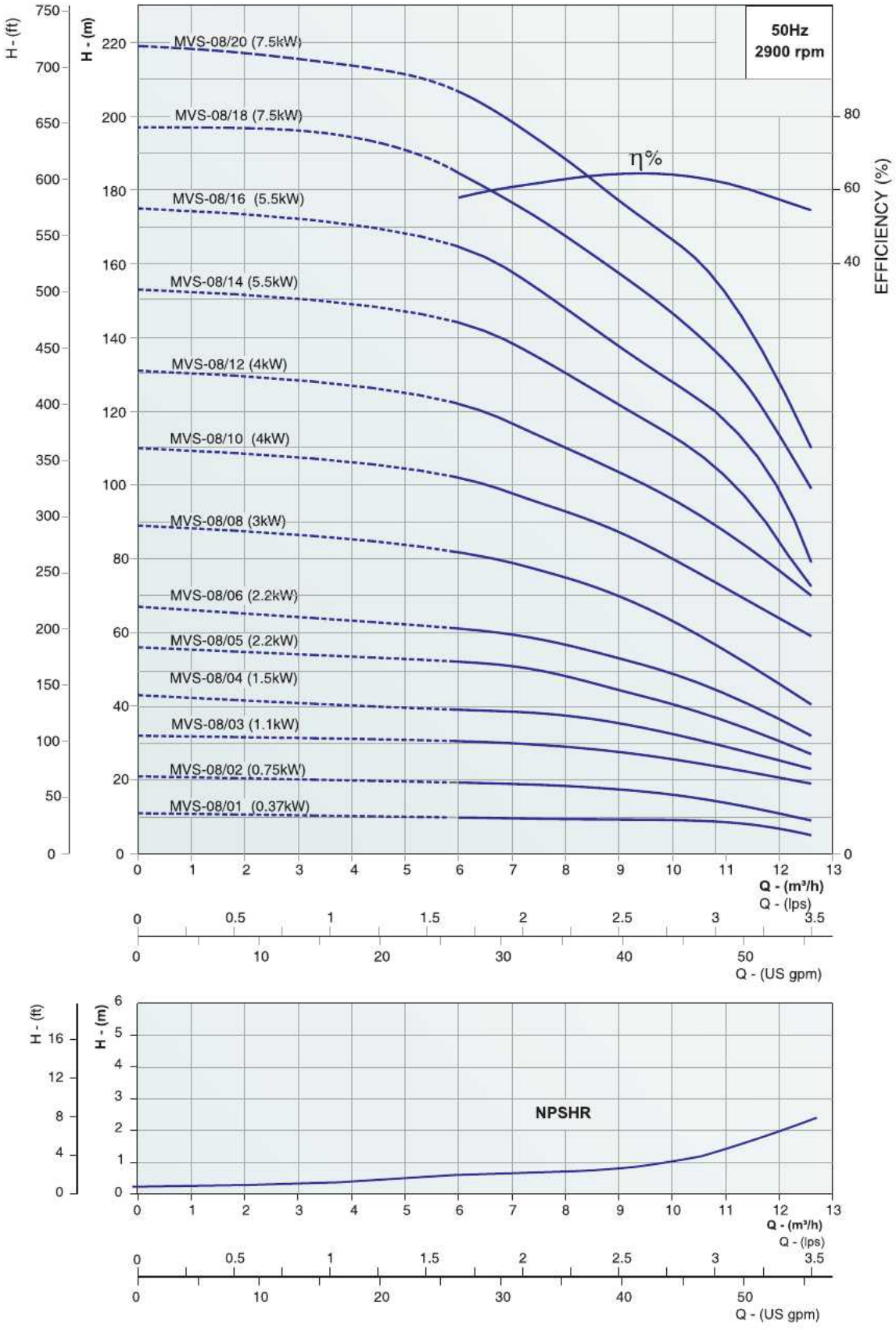


PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)									APPROX NETT WEIGHT WITHOUT PACKING IN kg				
				L2				X				PUMP			MOTOR	
	kW	HP	L1	1Ph	3Ph	L3	L4	1Ph	3Ph	ØY	Z	MVC (R)	MVS & N (P)	MVS & N (R)	1Ph	3Ph
MVS-8/01	0.37	0.5	308	222	217	312	312	126.5	118.5	140	173	33	28	29	9	8
MVS-8/02	0.75	1	338	267	252	342	342	131.5	124.5	160	173	34	29	30	12	14
MVS-8/03	1.1	1.5	368	284	284	372	372	131.5	124.5	160	173	35	30	31	15	14
MVS-8/04	1.5	2	413	294	295	417	417	146	132	170	187	36	31	32	20	20
MVS-8/05	2.2	3	443	320	305	447	447	146	132	170	187	37	32	33	24	20
MVS-8/06	2.2	3	473	320	305	477	477	146	132	170	187	38	33	34	24	20
MVS-8/08	3	4	533	-	320	537	537	-	146.5	187	187	40	35	36	-	24
MVS-8/10	4	5.5	593	-	354	597	597	-	162	217	187	42	37	38	-	28
MVS-8/12	4	5.5	653	-	354	657	657	-	162	217	187	44	39	40	-	28
MVS-8/14	5.5	7.5	713	-	385	717	717	-	205	247	216	50	45	46	-	41
MVS-8/16	5.5	7.5	773	-	385	777	777	-	205	247	216	52	47	48	-	41
MVS-8/18	7.5	10	862	-	424	836	836	-	205	257	216	54	49	50	-	48
MVS-8/20	7.5	10	922	-	424	926	926	-	205	257	216	56	51	52	-	48

NOMINAL FLOW : 8m³/h

PERFORMANCE CURVES

MV-8



Replace the 3rd digit in model name as "C" for Cast Iron pump base & pump head models and "N" for SS 316 construction.
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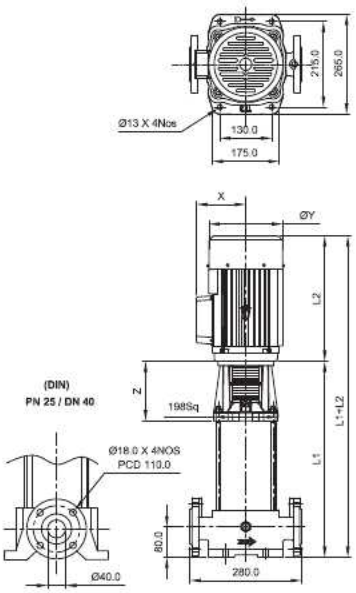
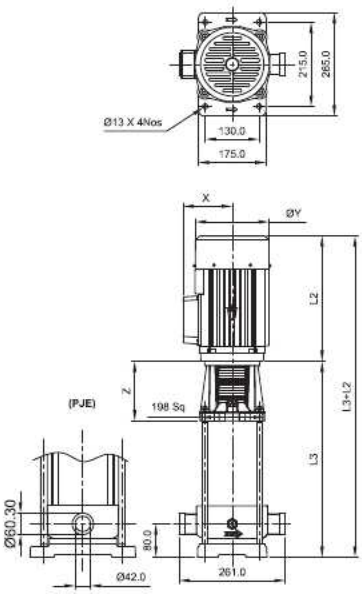
MV-10

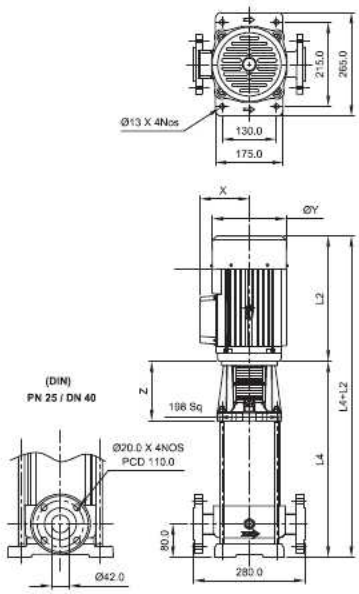
MVC (ROUND FLANGE)



MVS & N (PJE)

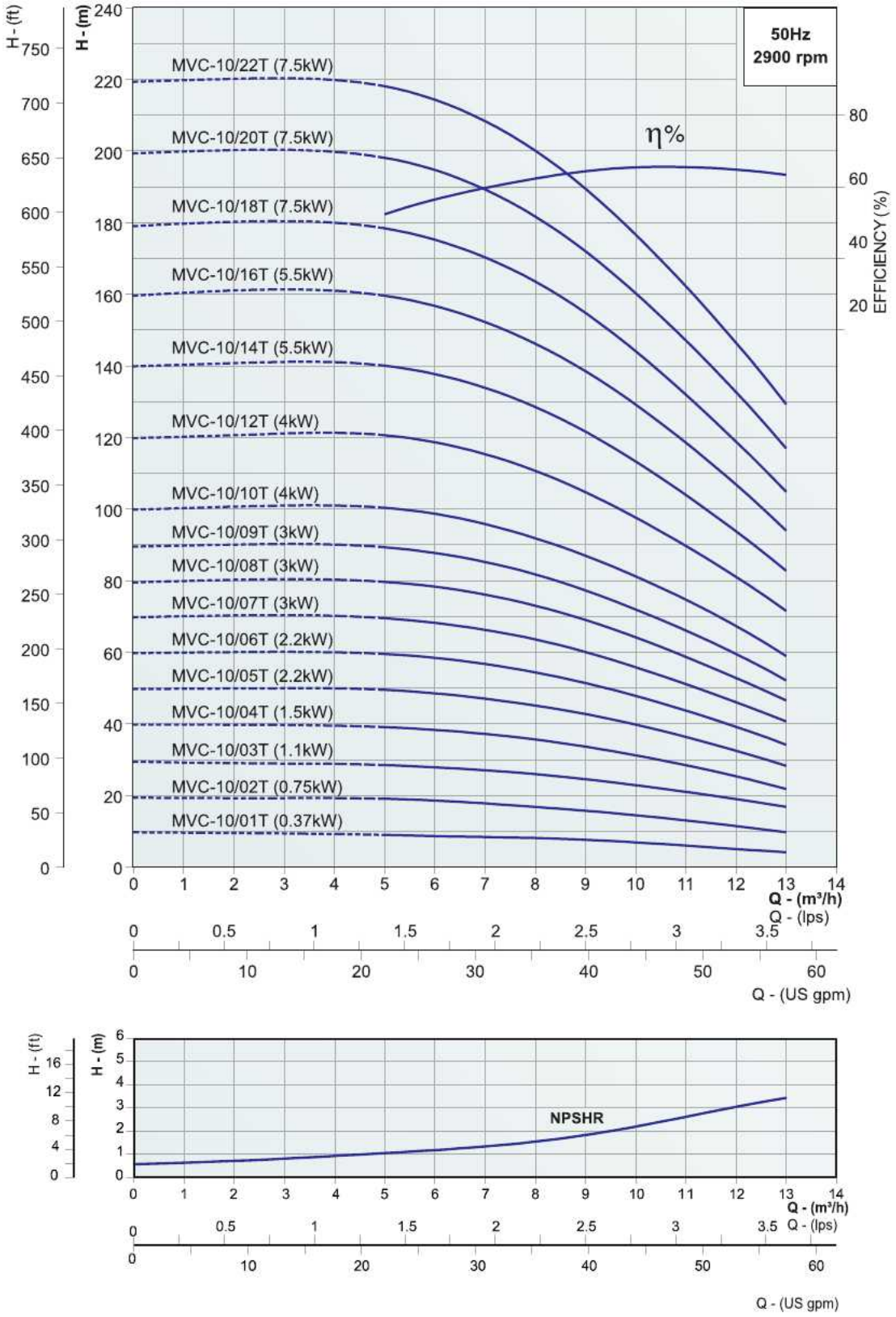


MVS & N (ROUND FLANGE)



PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)									APPROX NETT WEIGHT WITHOUT PACKING IN kg				
				L2				X		ØY	Z	PUMP			MOTOR	
	kW	HP	L1	1Ph	3Ph	L3	L4	1Ph	3Ph			MVC (R)	MVS & N (P)	MVS & N (R)	1Ph	3Ph
MVC-10/01T	0.37	0.5	308	222	217	312	312	132.5	118.5	138	173	32.5	27.5	28.5	9.0	8.0
MVC-10/02T	0.75	1	338	267	252	342	342	147	116	138	173	33.5	28.5	29.5	12.0	14.0
MVC-10/03T	1.1	1.5	368	284	265	372	372	141	120	160	173	34.5	29.5	30.5	13.5	13.0
MVC-10/04T	1.5	2	413	280	292	417	417	144	131	176	187	35.5	30.5	31.5	16.5	15.0
MVC-10/05T	2.2	3	443	315	311	447	447	144	131	176	187	36.5	31.5	32.5	20.0	17.5
MVC-10/06T	2.2	3	473	315	311	477	477	144	131	176	187	37.5	32.5	33.5	20.0	17.5
MVC-10/07T	3	4	506	-	324	510	510	-	144	197	190	38.5	33.5	34.5	-	24.5
MVC-10/08T	3	4	536	-	324	540	540	-	144	197	190	39.5	34.5	35.5	-	24.5
MVC-10/09T	3	4	566	-	324	570	570	-	144	197	190	40.5	35.5	36.5	-	24.5
MVC-10/10T	4	5.5	596	-	350	600	600	-	135	187	190	41.5	36.5	37.5	-	27.5
MVC-10/12T	4	5.5	656	-	350	660	660	-	135	187	190	43.5	38.5	39.5	-	27.5
MVC-10/14T	5.5	7.5	742	-	385	746	746	-	205	257	216	49.5	44.5	45.5	-	49.0
MVC-10/16T	5.5	7.5	802	-	385	806	806	-	205	257	216	51.5	46.5	47.5	-	49.0
MVC-10/18T	7.5	10	862	-	424	866	866	-	205	257	216	53.5	48.5	49.5	-	50.5
MVC-10/20T	7.5	10	922	-	424	926	926	-	205	257	216	55.5	50.5	51.5	-	50.5
MVC-10/22T	7.5	10	982	-	424	986	986	-	205	257	216	57.5	52.5	53.5	-	50.5

NOMINAL FLOW : 10m³/h PERFORMANCE CURVES MV-10



Replace the 3rd digit in model name as "C" for Cast Iron pump base & pump head models and "N" for SS 316 construction.
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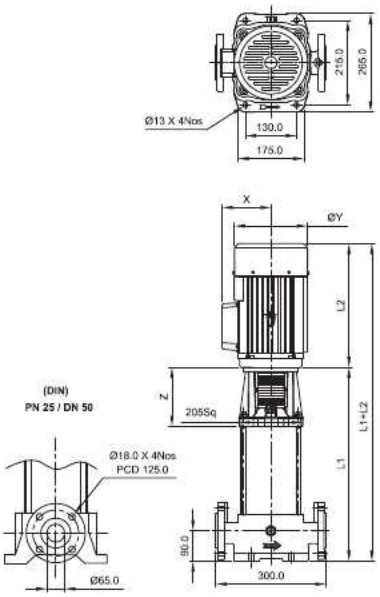
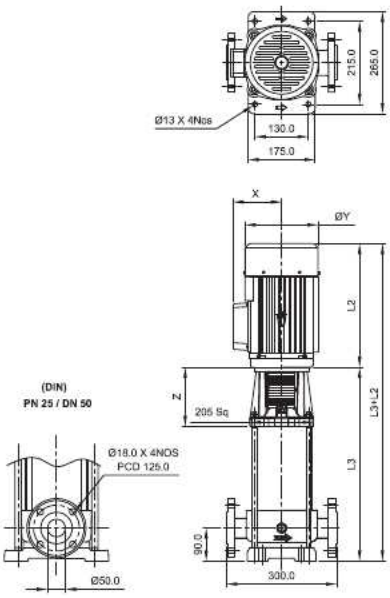
MV-15

MVC (ROUND FLANGE)

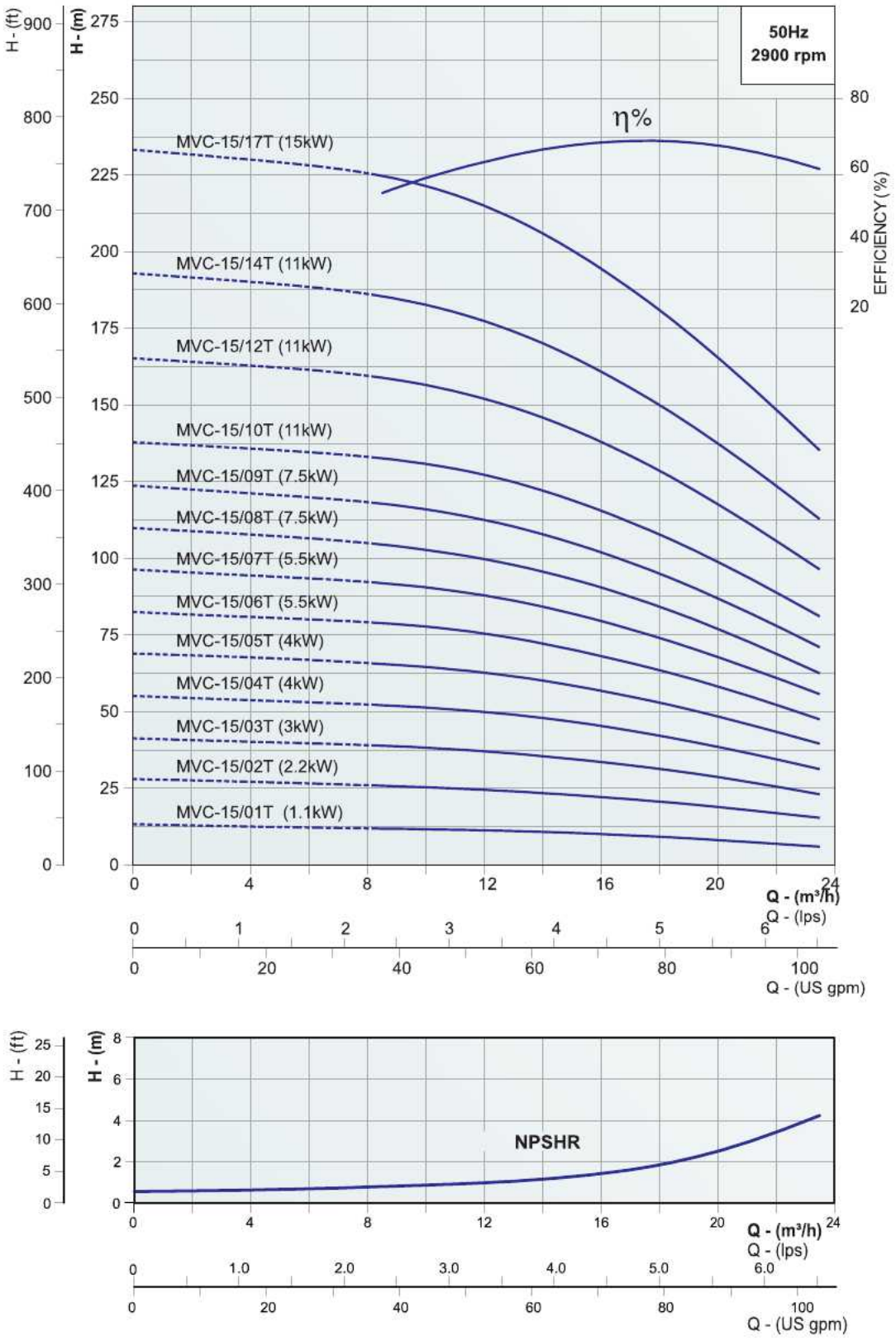


MVS & N (ROUND FLANGE)



PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)								APPROX NETT WEIGHT WITHOUT PACKING IN kg			
			L1	L3	L2		X		ØY	Z	PUMP		MOTOR	
	kW	HP	MVC (R)	MVS & N (R)	1Ph	3Ph	1Ph	3Ph			MVC (R)	MVS & N (R)	1Ph	3Ph
MVC-15/01T	1.1	1.5	348	343	284	265	141	120	160	173	38	33	13.5	13
MVC-15/02T	2.2	3	407	402	315	311	144	131	170	187	39	34	20	17.5
MVC-15/03T	3	4	455	450	-	324	-	144	197	190	40	35	-	24.5
MVC-15/04T	4	5.5	500	495	-	350	-	162	187	190	41	36	-	27.5
MVC-15/05T	4	5.5	545	540	-	350	-	162	187	190	42	37	-	27.5
MVC-15/06T	5.5	7.5	616	611	-	385	-	205	257	216	46	41	-	49
MVC-15/07T	5.5	7.5	661	656	-	385	-	205	257	216	47	42	-	49
MVC-15/08T	7.5	10	706	701	-	424	-	205	257	216	48	43	-	50.5
MVC-15/09T	7.5	10	751	746	-	424	-	205	257	216	49	44	-	50.5
MVC-15/10T	11	15	885	880	-	500.5	-	261	314	305	68	63	-	107
MVC-15/12T	11	15	975	970	-	500.5	-	261	314	305	70	65	-	107
MVC-15/14T	11	15	1065	1060	-	500.5	-	261	314	305	72	67	-	107
MVC-15/17T	15	20	1200	1195	-	500.5	-	261	314	305	75	70	-	117

NOMINAL FLOW : 15m³/h PERFORMANCE CURVES MV-15



Replace the 3rd digit in model name as "C" for Cast Iron pump base & pump head models and "N" for SS 316 construction.
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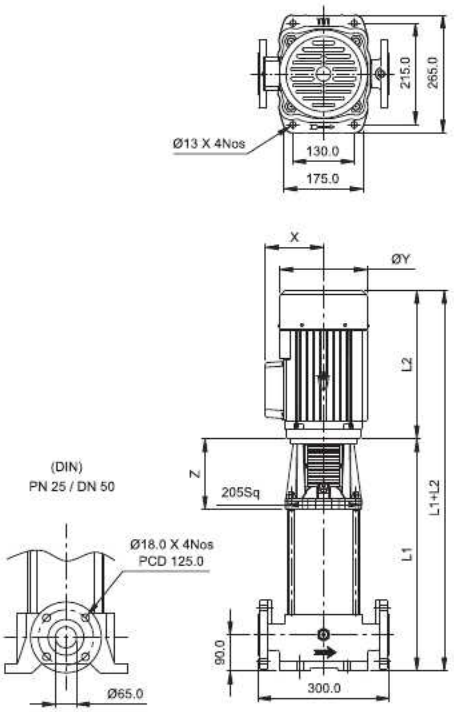
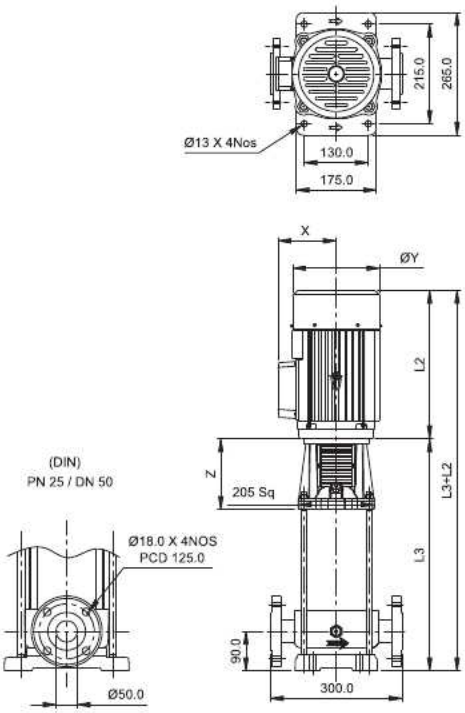
MV-16

MVC (ROUND FLANGE)

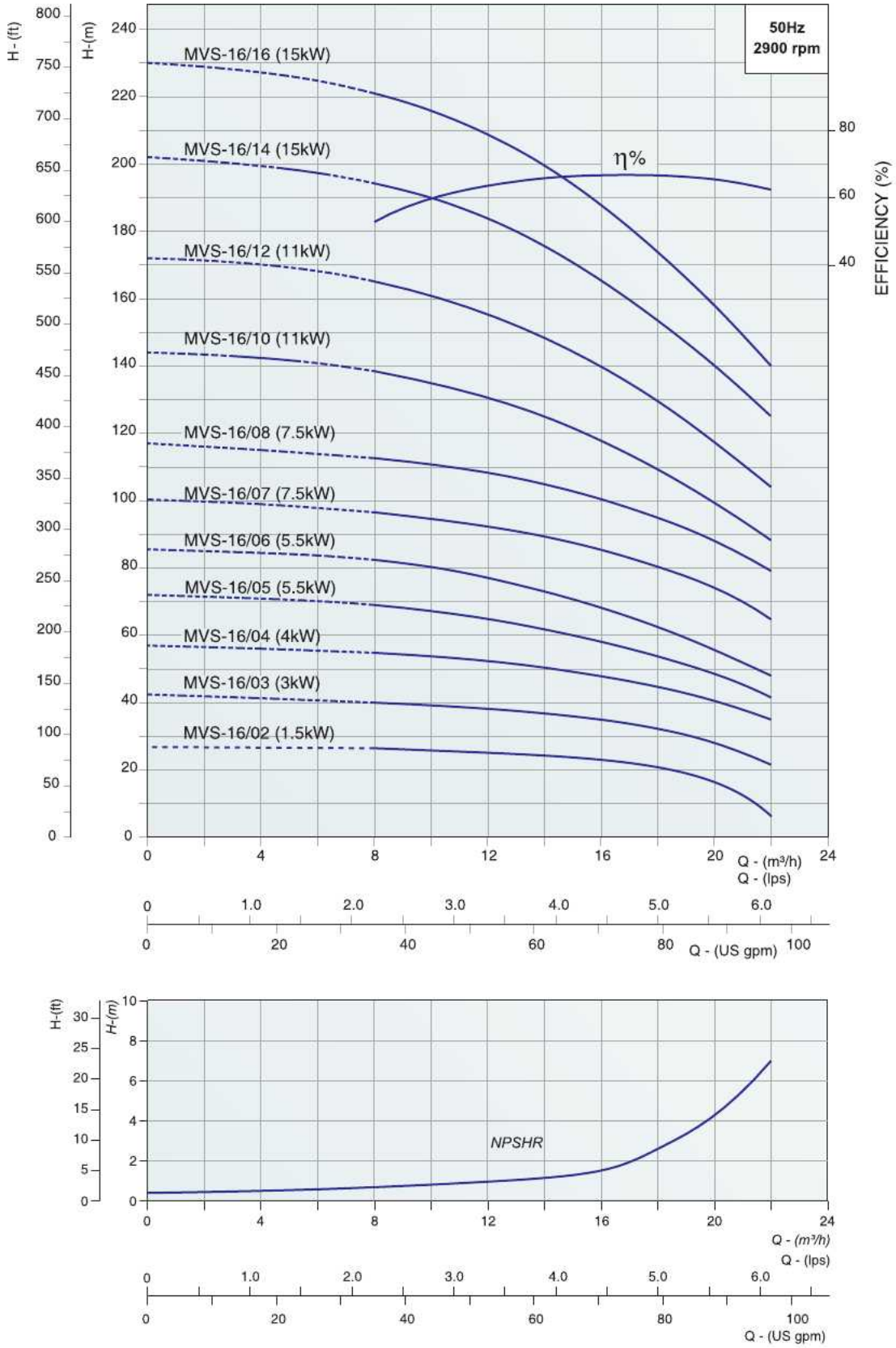


MVS & N (ROUND FLANGE)



PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)								APPROX NETT WEIGHT WITHOUT PACKING IN kg			
	kW	HP	L1	L3	L2		X		ØY	Z	PUMP		MOTOR	
					1Ph	3Ph	1Ph	3Ph			MVC (R)	MVS & N (R)	1Ph	3Ph
MVS-16/02	1.5	2	407	402	294	295	146	132	170	187	39	34	20	20
MVS-16/03	3	4	452	447	-	320	-	146.5	187	187	40	35	-	24
MVS-16/04	4	5.5	497	492	-	354	-	162	217	187	43	38	-	28
MVS-16/05	5.5	7.5	570	566	-	385	-	205	247	216	49	44	-	41
MVS-16/06	5.5	7.5	615	611	-	385	-	205	247	216	50	45	-	41
MVS-16/07	7.5	10	660	656	-	424	-	205	257	216	51	46	-	48
MVS-16/08	7.5	10	705	701	-	424	-	205	257	216	52	47	-	48
MVS-16/10	11	15	884	879	-	495	-	261	312	305	71	66	-	122
MVS-16/12	11	15	974	969	-	495	-	261	312	305	73	68	-	122
MVS-16/14	15	20	1064	1059	-	495	-	261	312	305	75	70	-	131
MVS-16/16	15	20	1154	1149	-	495	-	261	312	305	77	72	-	131

NOMINAL FLOW : 16m³/h PERFORMANCE CURVES MV-16



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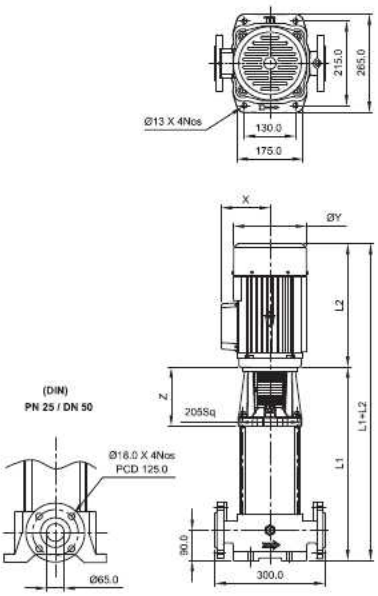
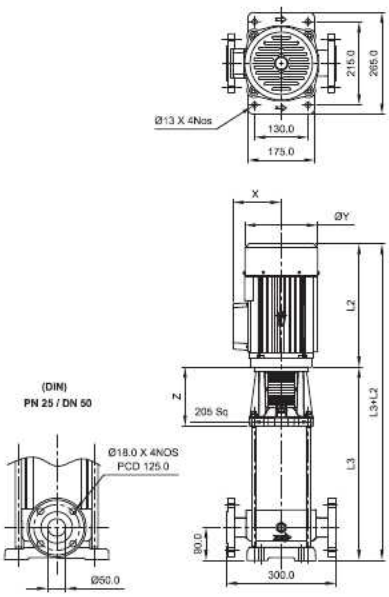
MV-20

MVC (ROUND FLANGE)

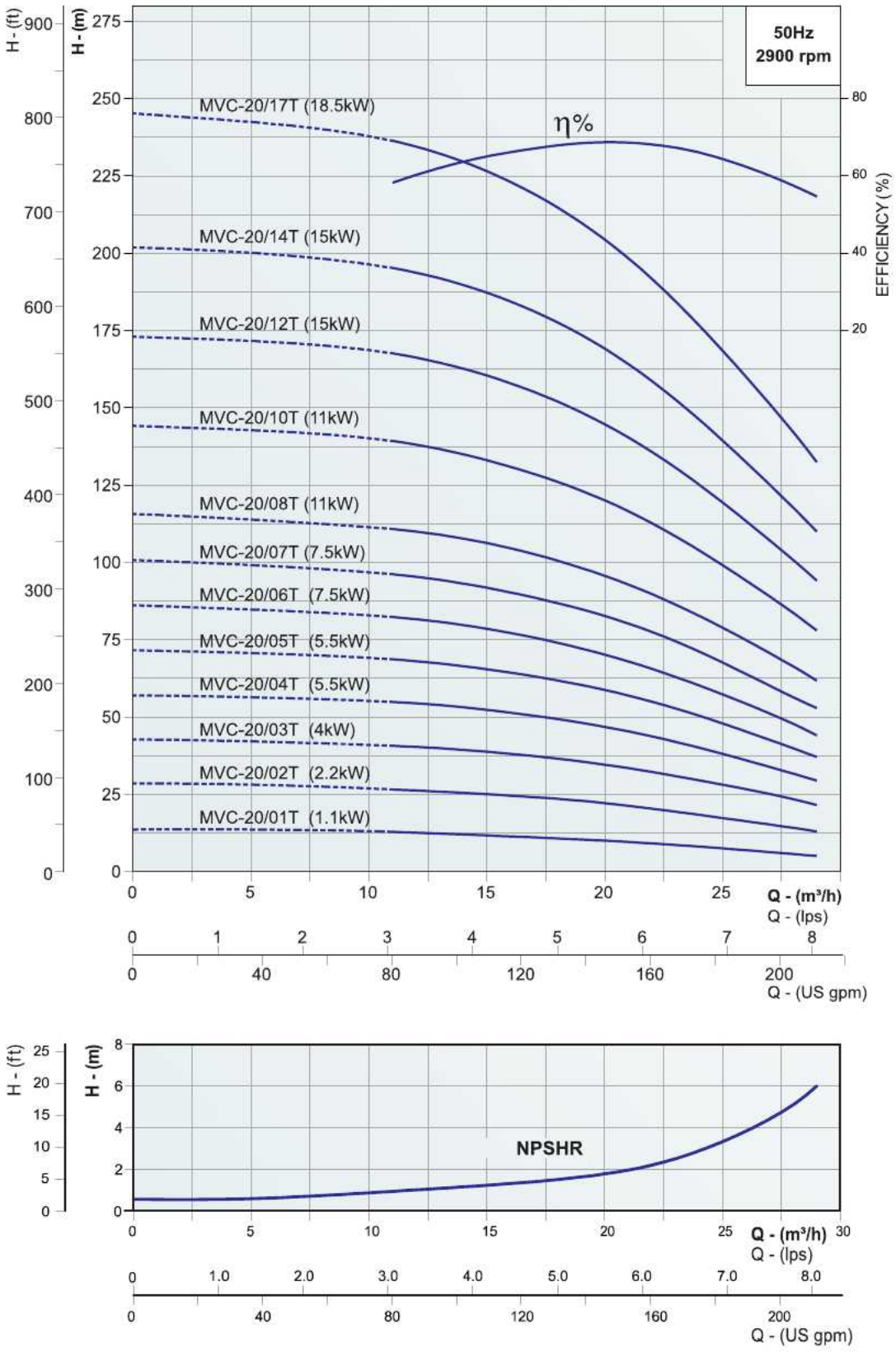


MVS & N (ROUND FLANGE)



PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)								APPROX NETT WEIGHT WITHOUT PACKING IN kg			
			L1	L3	L2		X		ØY	Z	PUMP		MOTOR	
	kW	HP	MVC (R)	MVS & N (R)	1Ph	3Ph	1Ph	3Ph			MVC (R)	MVS & N (R)	1Ph	3Ph
MVC-20/01T	1.1	1.5	348	343	284	265	141	120	160	173	38	33	13.5	13
MVC-20/02T	2.2	3	407	402	315	311	144	131	176	187	39	34	20	17.5
MVC-20/03T	4	5.5	455	447	-	350	-	135	187	190	40	35	-	27.5
MVC-20/04T	5.5	7.5	529	521	-	385	-	205	257	216	45	40	-	49
MVC-20/05T	5.5	7.5	574	566	-	385	-	205	257	216	46	41	-	49
MVC-20/06T	7.5	10	619	611	-	424	-	205	257	216	47	42	-	50.5
MVC-20/07T	7.5	10	664	656	-	424	-	205	257	216	48	43	-	50.5
MVC-20/08T	11	15	798	790	-	500.5	-	261	314	305	67	62	-	107
MVC-20/10T	11	15	932	924	-	500.5	-	261	314	305	69	64	-	107
MVC-20/12T	15	20	1066	1058	-	500.5	-	261	314	305	71	66	-	117
MVC-20/14T	15	20	1200	1192	-	500.5	-	261	314	305	73	68	-	117
MVC-20/17T	18.5	25	1334	1326	-	500.5	-	261	314	305	76	71	-	134

NOMINAL FLOW : 20m³/h PERFORMANCE CURVES MV-20



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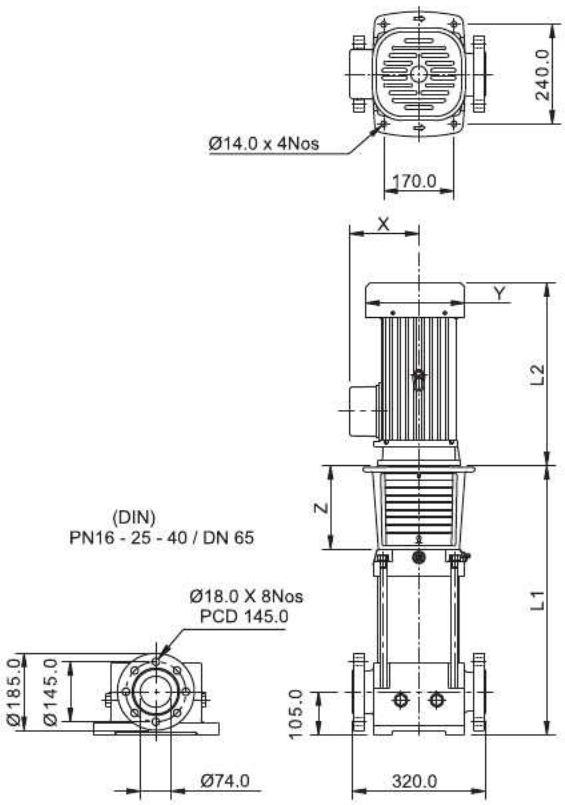
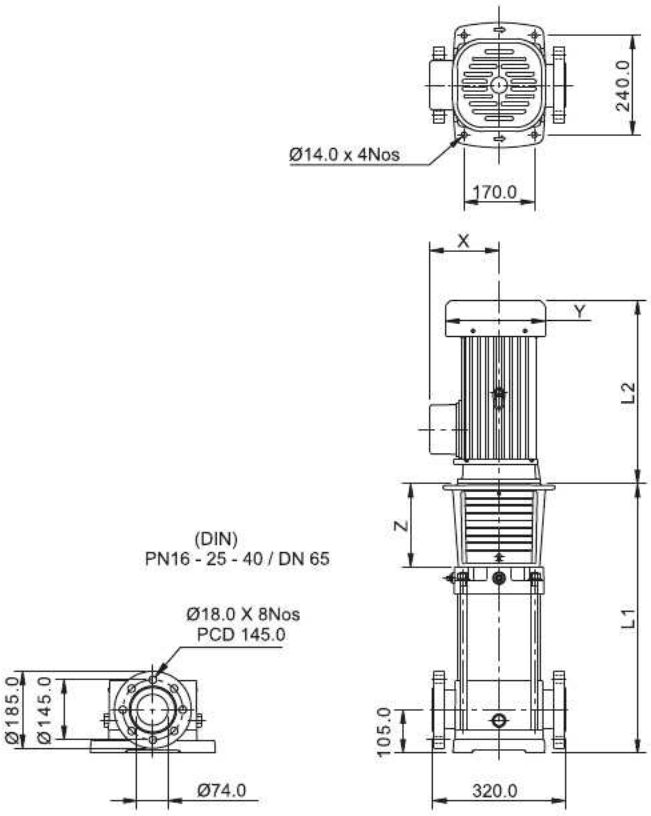
MV-32

MVC (ROUND FLANGE)



MVS & N (ROUND FLANGE)



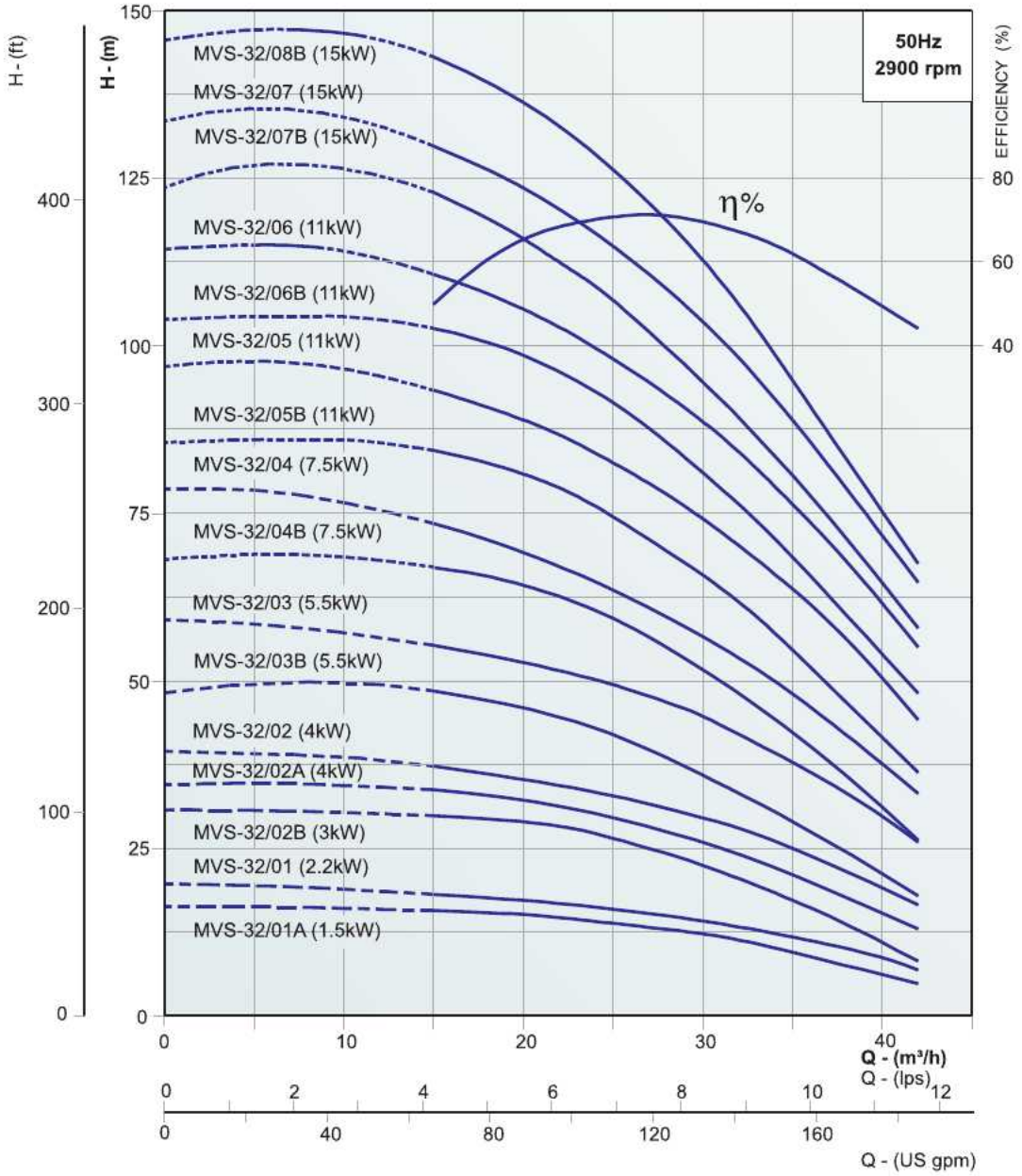
DIMENSIONS & WEIGHT

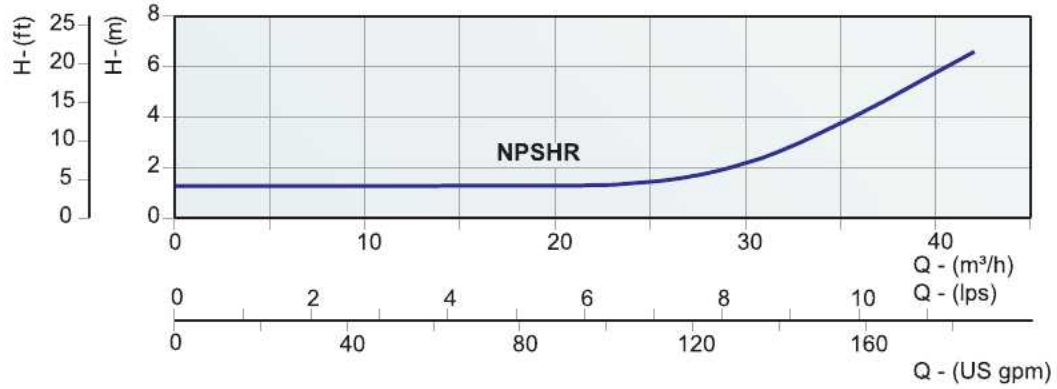
PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)							APPROX NETT WEIGHT WITHOUT PACKING IN kg			
				L2		X		ØY	Z	PUMP		MOTOR	
	kW	HP	L1	1Ph	3Ph	1Ph	3Ph			MVC (R)	MVS & N (P)	1Ph	3Ph
MVS-32/01A	1.5	2	510	294	295	146	132	170	201	59	64	20	20
MVS-32/01	2.2	3	510	320	305	146	132	170	201	59	64	24	20
MVS-32/02B	3	4	580	-	320	-	146.5	187	201	62	67	-	24
MVS-32/02A	4	5.5	580	-	354	-	162	217	201	62	67	-	28
MVS-32/02	4	5.5	580	-	354	-	162	217	201	62	67	-	28
MVS-32/03B	5.5	7.5	650	-	385	-	205	247	201	64	69	-	41
MVS-32/03	5.5	7.5	650	-	385	-	205	247	201	64	69	-	41
MVS-32/04B	7.5	10	720	-	424	-	205	257	201	67	72	-	48
MVS-32/04	7.5	10	720	-	424	-	205	257	201	67	72	-	48
MVS-32/05B	11	15	895	-	495	-	261	312	305	83	88	-	122
MVS-32/05	11	15	895	-	495	-	261	312	305	83	88	-	122
MVS-32/06B	11	15	965	-	495	-	261	312	305	86	91	-	122
MVS-32/06	11	15	965	-	495	-	261	312	305	86	91	-	122
MVS-32/07B	15	20	1035	-	495	-	261	312	305	89	94	-	131
MVS-32/07	15	20	1035	-	495	-	261	312	305	89	94	-	131
MVS-32/08B	15	20	1105	-	495	-	261	312	305	92	97	-	131

NOMINAL FLOW : 32m³/h

PERFORMANCE CURVES

MV-32





Replace the 3rd digit in model name as "C" for Cast Iron pump base & pump head models and "N" for SS 316 construction.
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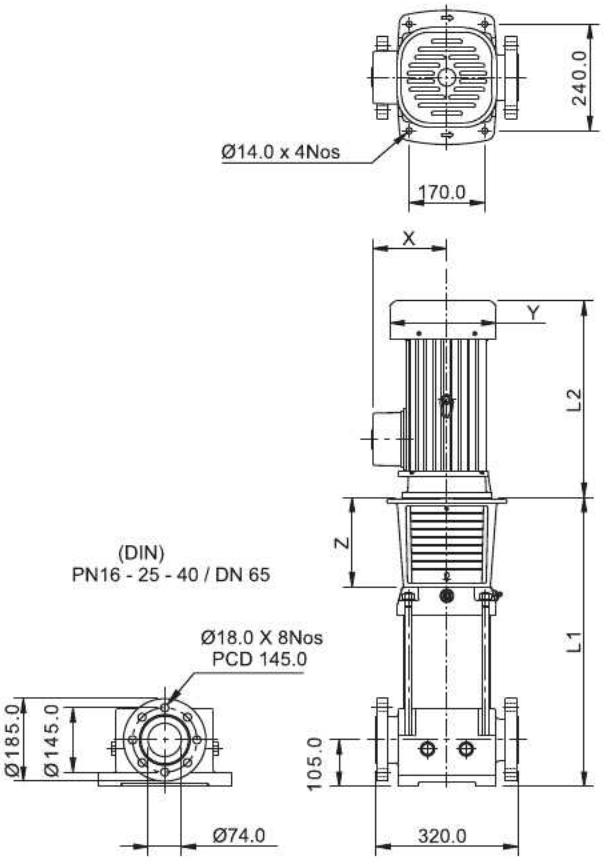
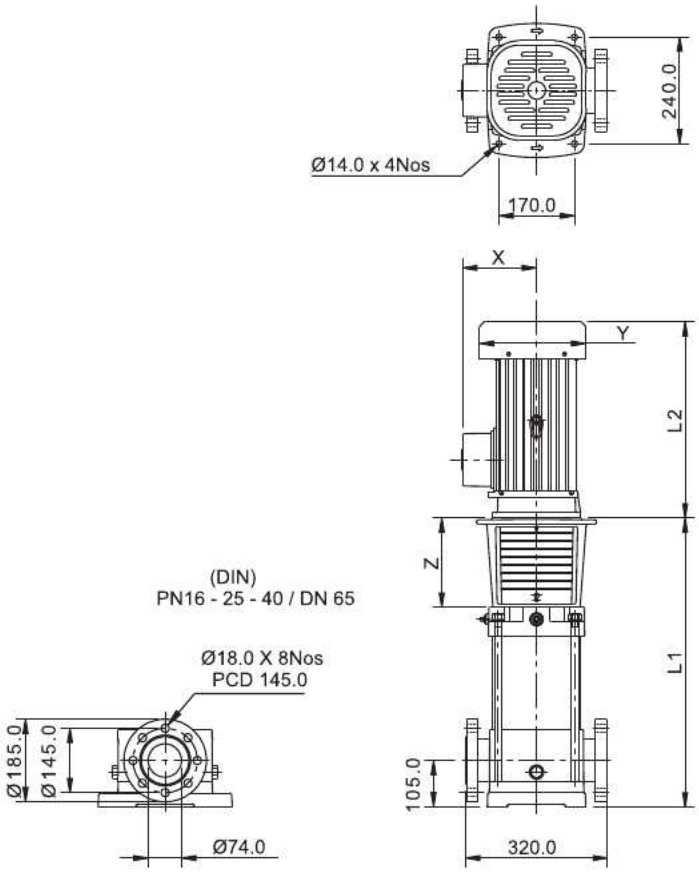
MV-32

MVC (ROUND FLANGE)



MVS & N (ROUND FLANGE)



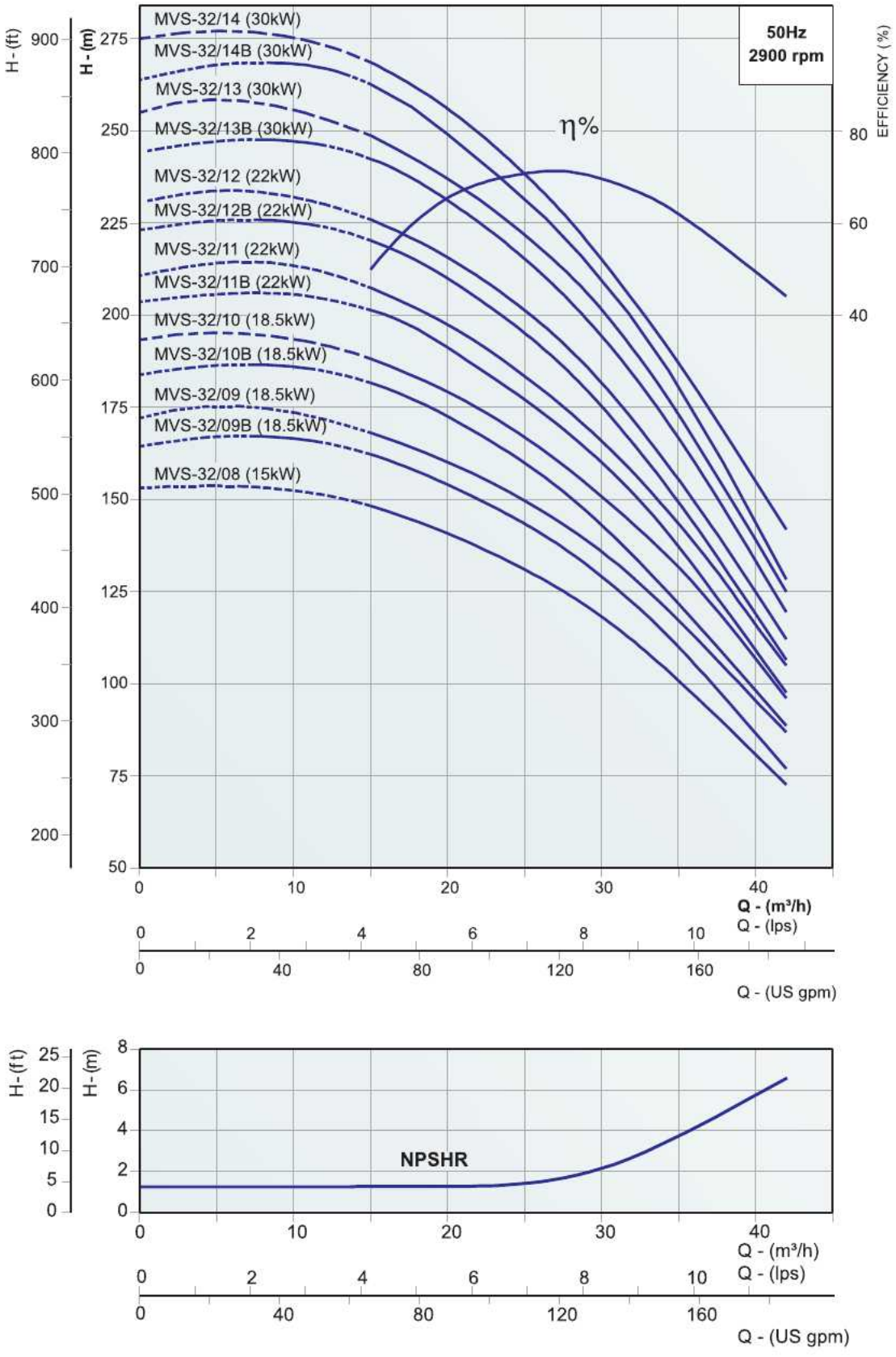
DIMENSIONS & WEIGHT

PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)							APPROX NETT WEIGHT WITHOUT PACKING IN kg			
				L2		X		ØY	Z	PUMP		MOTOR	
	kW	HP	L1	1Ph	3Ph	1Ph	3Ph			MVC (R)	MVS & N (P)	1Ph	3Ph
MVS-32/08	15	20	1105	-	495	-	261	312	305	92	97	-	131
MVS-32/09B	18.5	25	1175	-	495	-	261	312	305	95	100	-	151
MVS-32/09	18.5	25	1175	-	495	-	261	312	305	95	100	-	151
MVS-32/10B	18.5	25	1245	-	495	-	261	312	305	98	103	-	151
MVS-32/10	18.5	25	1245	-	495	-	261	312	305	98	103	-	151
MVS-32/11B	22	30	1315	-	630	-	272.5	sq340	305	101	106	-	180
MVS-32/11	22	30	1315	-	630	-	272.5	sq340	305	101	106	-	180
MVS-32/12B	22	30	1385	-	630	-	272.5	sq340	305	104	109	-	180
MVS-32/12	22	30	1385	-	630	-	272.5	sq340	305	104	109	-	180
MVS-32/13B	30	40	1455	-	630	-	313.5	sq340	305	108	113	-	242
MVS-32/13	30	40	1455	-	630	-	313.5	sq340	305	108	113	-	242
MVS-32/14B	30	40	1575	-	630	-	313.5	sq340	305	111	116	-	242
MVS-32/14	30	40	1575	-	630	-	313.5	sq340	305	111	116	-	242

NOMINAL FLOW : 32m³/h

PERFORMANCE CURVES

MV-32



Replace the 3rd digit in model name as "C" for Cast Iron pump base & pump head models and "N" for SS 316 construction.
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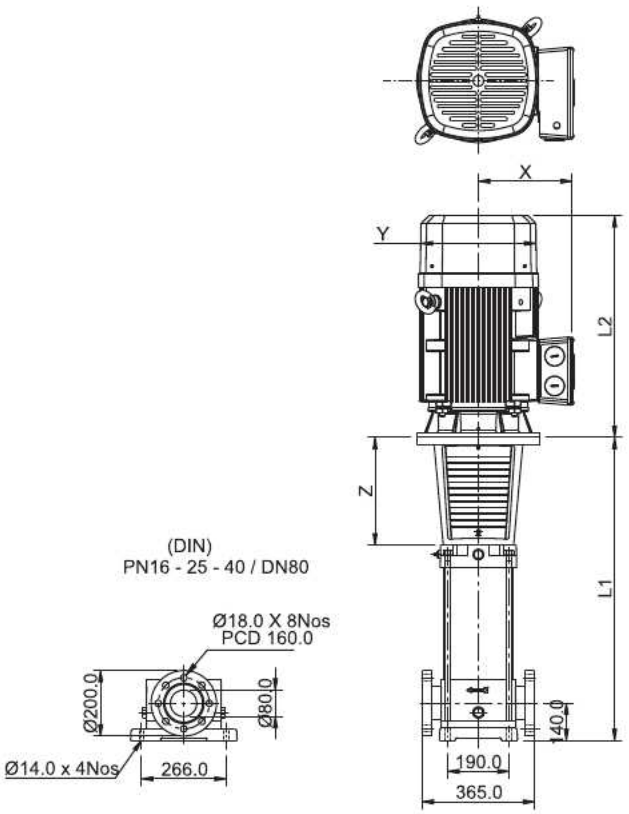
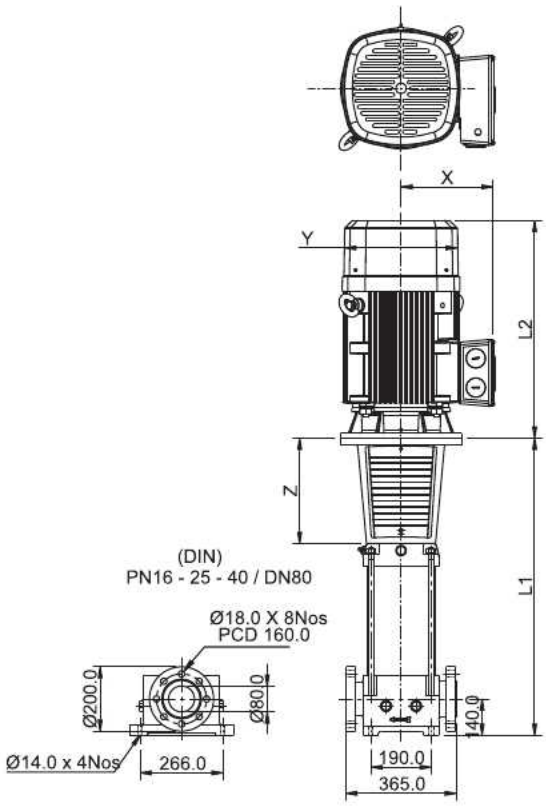
MV-44

MVC (ROUND FLANGE)



MVS & N (ROUND FLANGE)



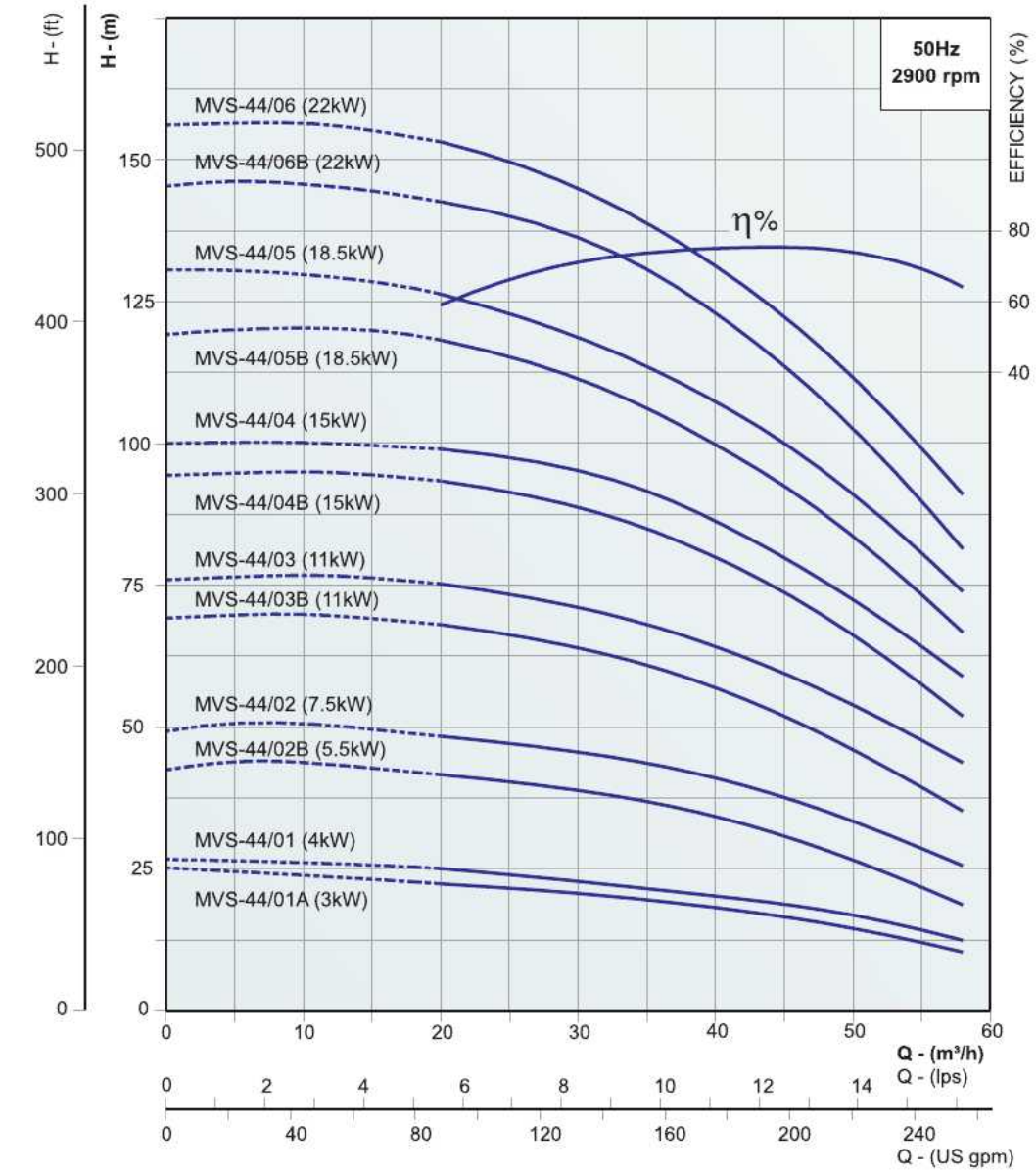
DIMENSIONS & WEIGHT

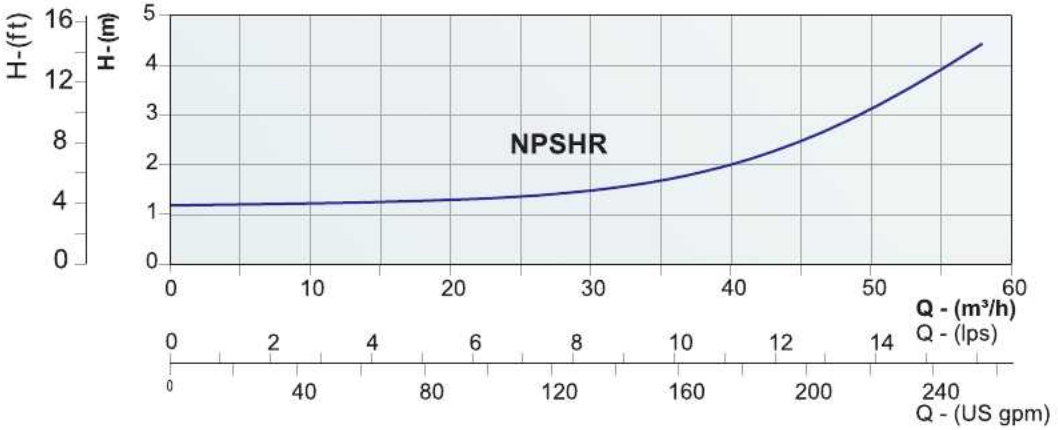
PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)							APPROX NETT WEIGHT WITHOUT PACKING IN kg			
				L2		X		ØY	Z	PUMP		MOTOR	
	kW	HP	L1	1Ph	3Ph	1Ph	3Ph			MVC (R)	MVS & N (P)	1Ph	3Ph
MVS-44/01A	3	4	564	-	320	-	146.5	187	201	67	64	-	24
MVS-44/01	4	5.5	564	-	354	-	162.5	217	201	67	64	-	28
MVS-44/02B	5.5	7.5	644	-	385	-	205	247	201	71	68	-	41
MVS-44/02	7.5	10	644	-	424	-	205	257	201	71	68	-	48
MVS-44/03B	11	15	828	-	495	-	261	312	305	89	86	-	122
MVS-44/03	11	15	828	-	495	-	261	312	305	89	86	-	122
MVS-44/04B	15	20	908	-	495	-	261	312	305	93	90	-	131
MVS-44/04	15	20	908	-	495	-	261	312	305	93	90	-	131
MVS-44/05B	18.5	25	988	-	495	-	261	312	305	97	94	-	151
MVS-44/05	18.5	25	988	-	495	-	261	312	305	97	94	-	151
MVS-44/06B	22	30	1068	-	630	-	272.5	sq340	305	101	98	-	180
MVS-44/06	22	30	1068	-	630	-	272.5	sq340	305	101	98	-	180

NOMINAL FLOW : 44m³/h

PERFORMANCE CURVES

MV-44





Replace the 3rd digit in model name as "C" for Cast Iron pump base & pump head models and "N" for SS 316 construction.
The given performance is same for Type - C, S & N
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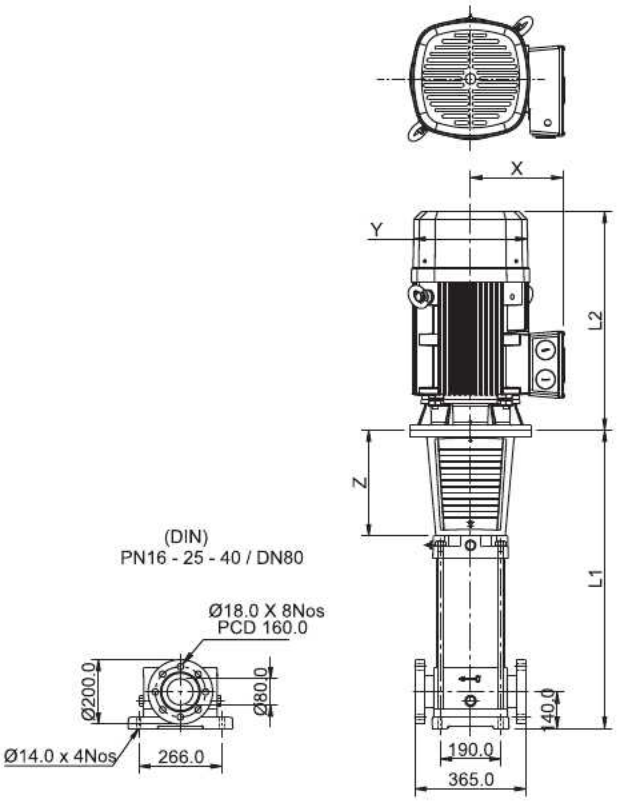
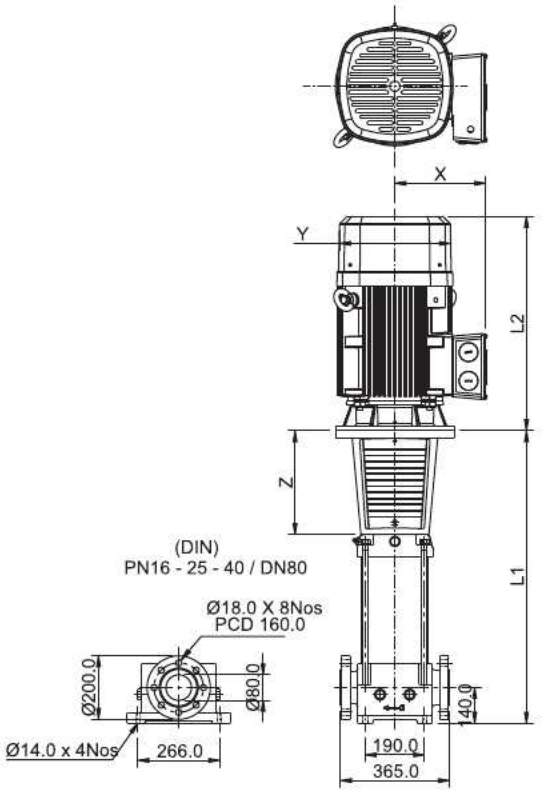
MV-44

MVC (ROUND FLANGE)



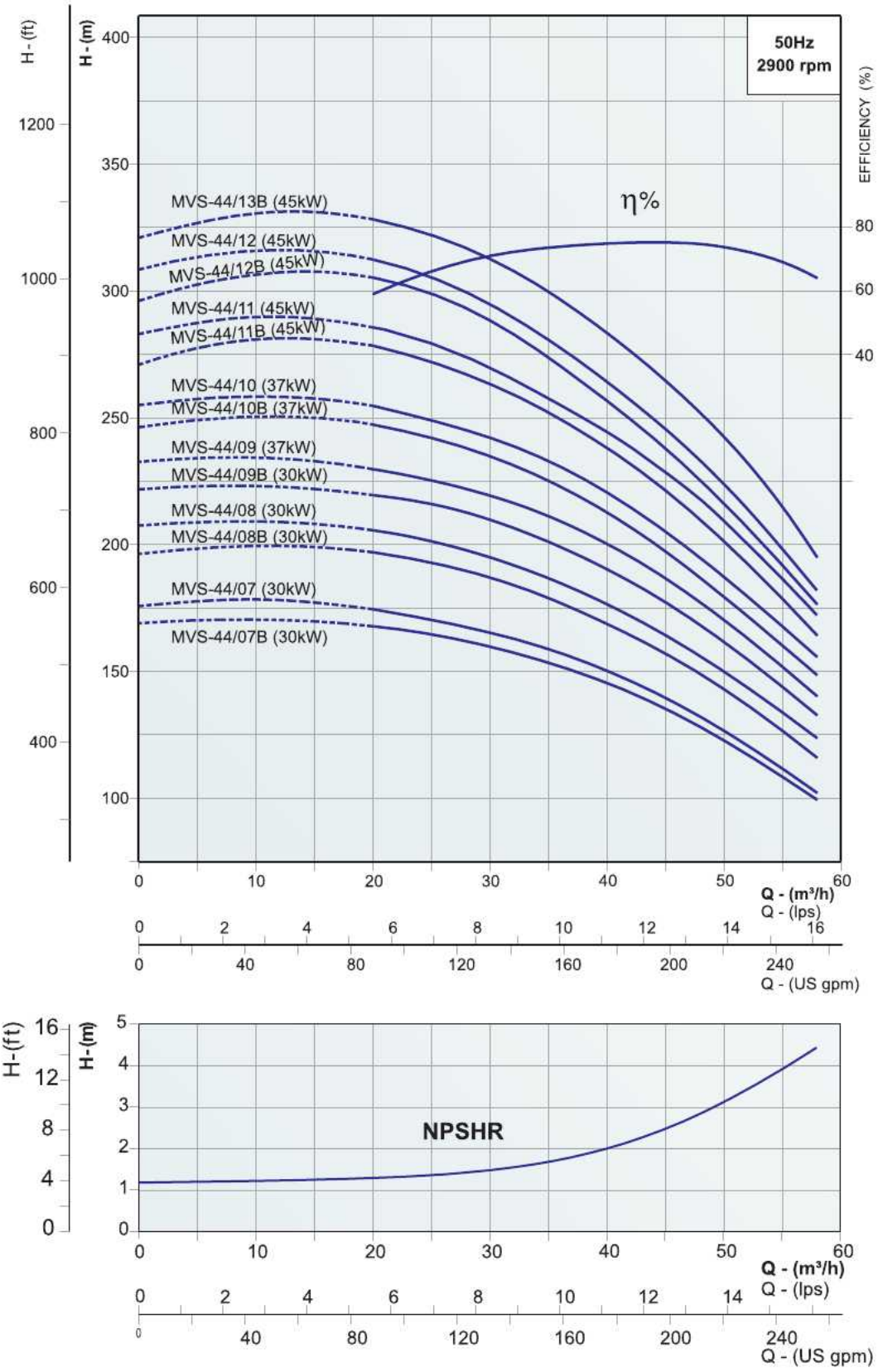
MVS & N (ROUND FLANGE)



DIMENSIONS & WEIGHT

PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)							APPROX NETT WEIGHT WITHOUT PACKING IN kg			
	kW	HP	L1	L2		X		ØY	Z	PUMP		MOTOR	
				1Ph	3Ph	1Ph	3Ph			MVC (R)	MVS & N (P)	1Ph	3Ph
MVS-44/07B	30	40	1148	-	630	-	313.5	sq340	305	106	103	-	242
MVS-44/07	30	40	1148	-	630	-	313.5	sq340	305	106	103	-	242
MVS-44/08B	30	40	1228	-	630	-	313.5	sq340	305	110	107	-	242
MVS-44/08	30	40	1228	-	630	-	313.5	sq340	305	110	107	-	242
MVS-44/09B	30	40	1308	-	630	-	313.5	sq340	305	114	111	-	242
MVS-44/09	37	50	1308	-	650	-	313.5	395	305	117	114	-	258
MVS-44/10B	37	50	1388	-	650	-	313.5	395	305	121	118	-	258
MVS-44/10	37	50	1388	-	650	-	313.5	395	305	121	118	-	258
MVS-44/11B	45	60	1468	-	695	-	334	435	305	125	122	-	320
MVS-44/11	45	60	1468	-	695	-	334	435	305	125	122	-	320
MVS-44/12B	45	60	1548	-	695	-	334	435	305	129	126	-	320
MVS-44/12	45	60	1548	-	695	-	334	435	305	129	126	-	320
MVS-44/13B	45	60	1628	-	695	-	334	435	305	129	126	-	320

NOMINAL FLOW : 44m³/h PERFORMANCE CURVES MV-44



Replace the 3rd digit in model name as "C" for Cast Iron pump base & pump head models and "N" for SS 316 construction.
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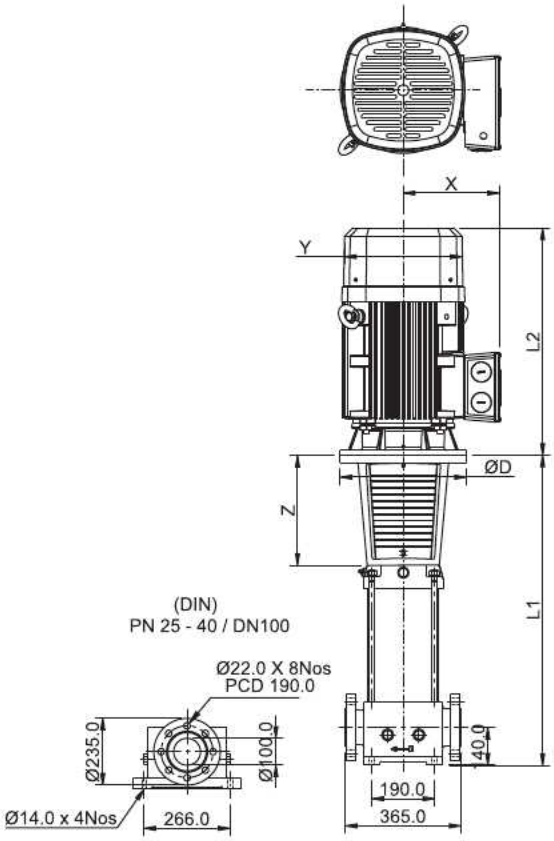
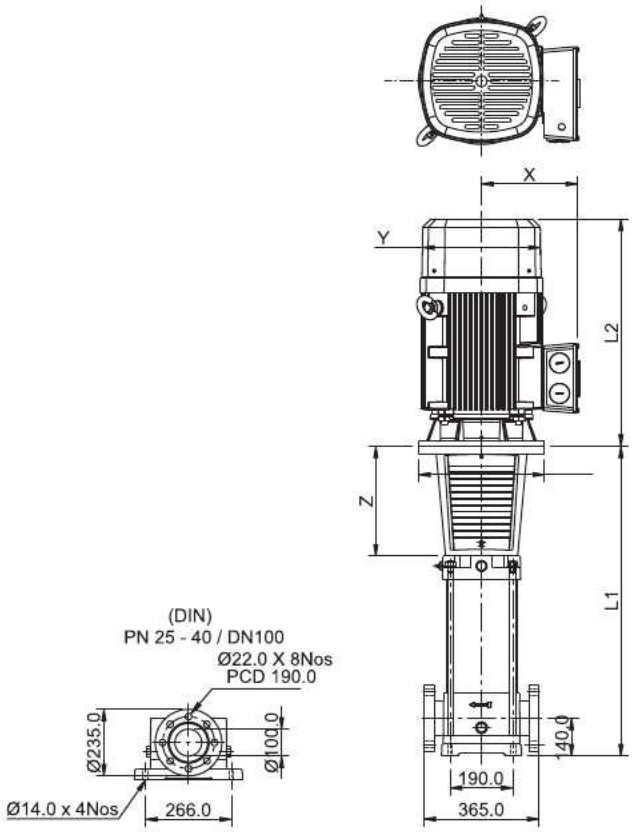
MV-66

MVC (ROUND FLANGE)



MVS & N (ROUND FLANGE)



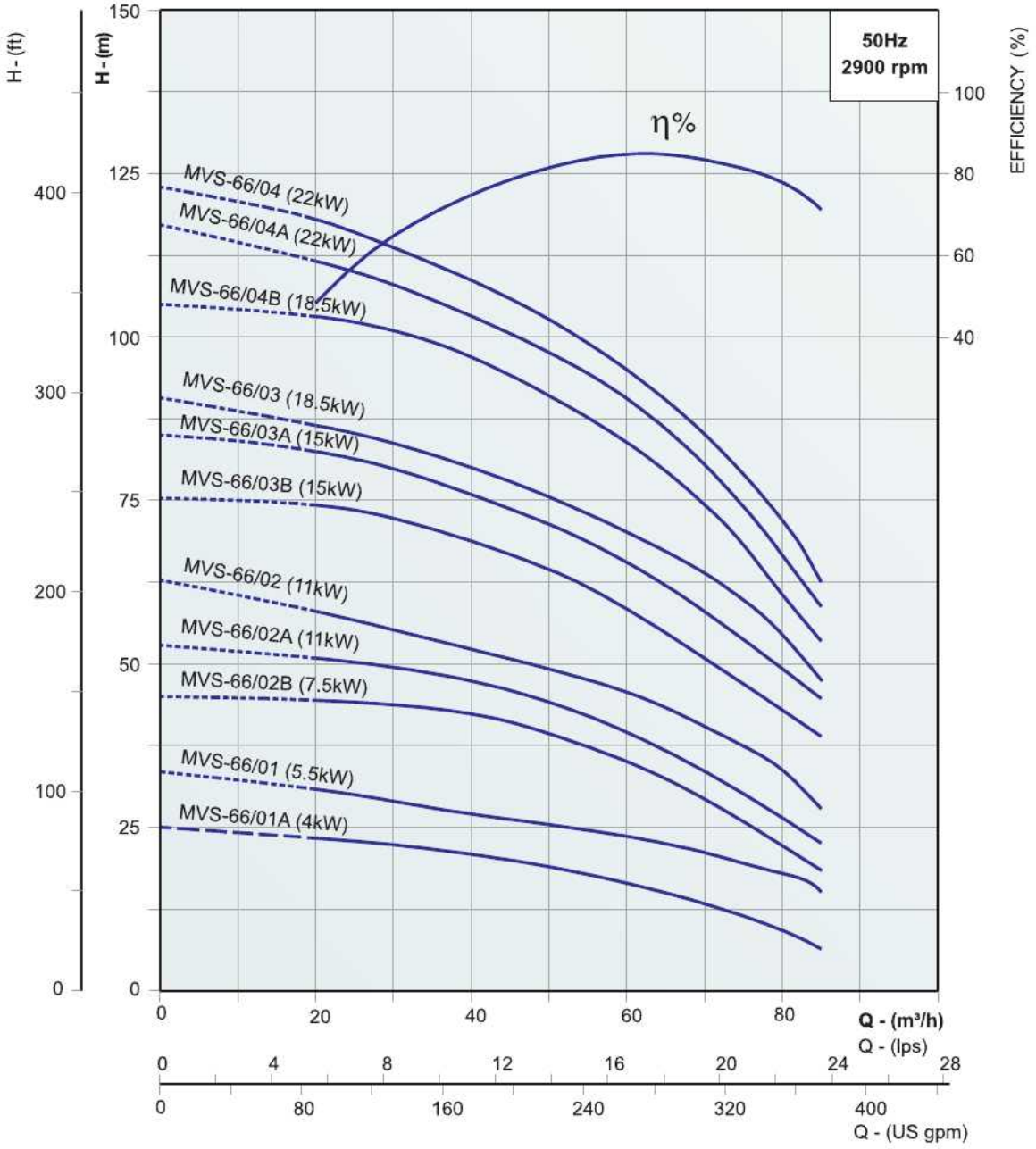
DIMENSIONS & WEIGHT

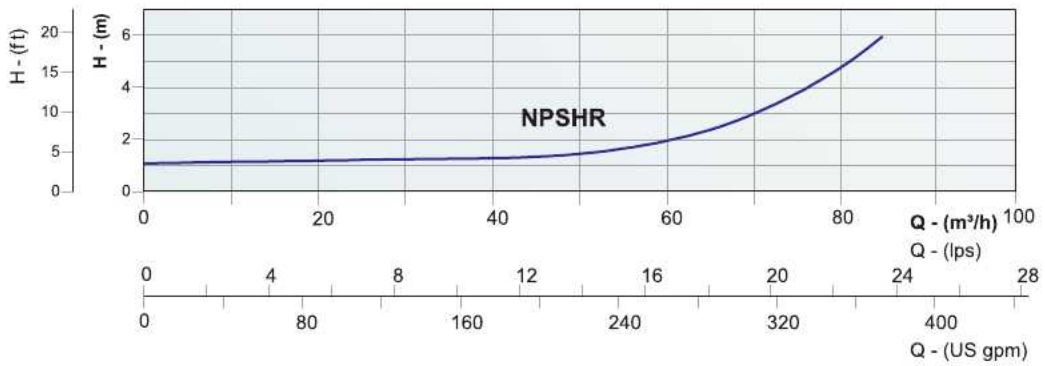
PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)							APPROX NETT WEIGHT WITHOUT PACKING IN kg			
				L2		X		ØY	Z	PUMP		MOTOR	
	kW	HP	L1	1Ph	3Ph	1Ph	3Ph			MVC (R)	MVS & N (P)	1Ph	3Ph
MVS-66/01A	4	5.5	564	-	354	-	162	217	201	83	80	-	28
MVS-66/01	5.5	7.5	564	-	385	-	205	247	201	84	81	-	41
MVS-66/02B	7.5	10	644	-	424	-	205	257	201	87	84	-	48
MVS-66/02A	11	15	644	-	495	-	261	312	305	101	98	-	122
MVS-66/02	11	15	644	-	495	-	261	312	305	101	98	-	122
MVS-66/03B	15	20	828	-	495	-	261	312	305	105	102	-	131
MVS-66/03A	15	20	828	-	495	-	261	312	305	105	102	-	131
MVS-66/03	18.5	25	828	-	495	-	261	312	305	105	102	-	151
MVS-66/04B	18.5	25	908	-	495	-	261	312	305	109	106	-	151
MVS-66/04A	22	30	908	-	630	-	272.5	sq340	305	109	106	-	180
MVS-66/04	22	30	908	-	630	-	272.5	sq340	305	109	106	-	180

NOMINAL FLOW : 66m³/h

PERFORMANCE CURVES

MV-66





Replace the 3rd digit in model name as "C" for Cast Iron pump base & pump head models and "N" for SS 316 construction.
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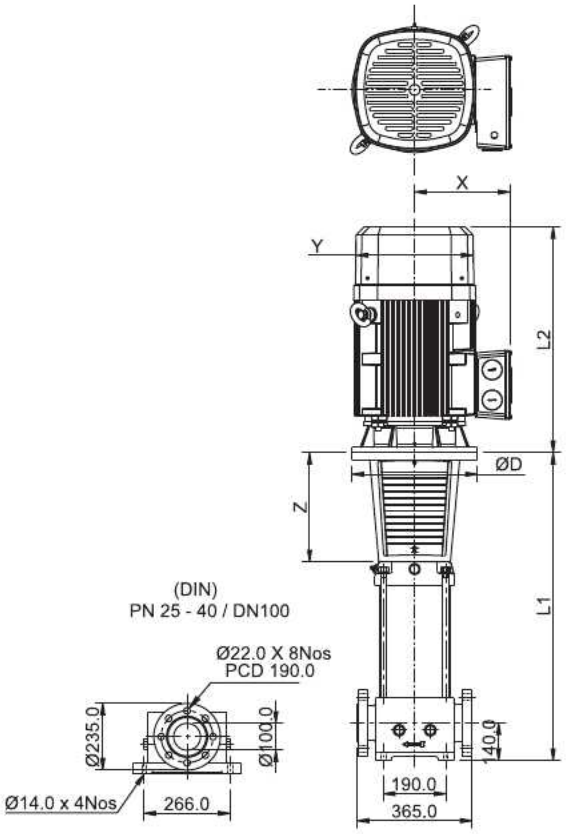
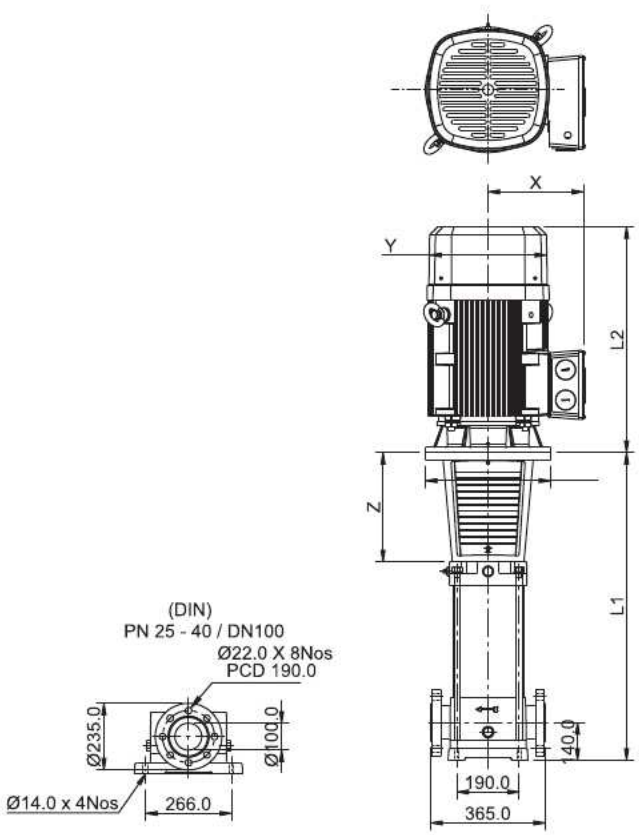
MV-66

MVC (ROUND FLANGE)



MVS & N (ROUND FLANGE)



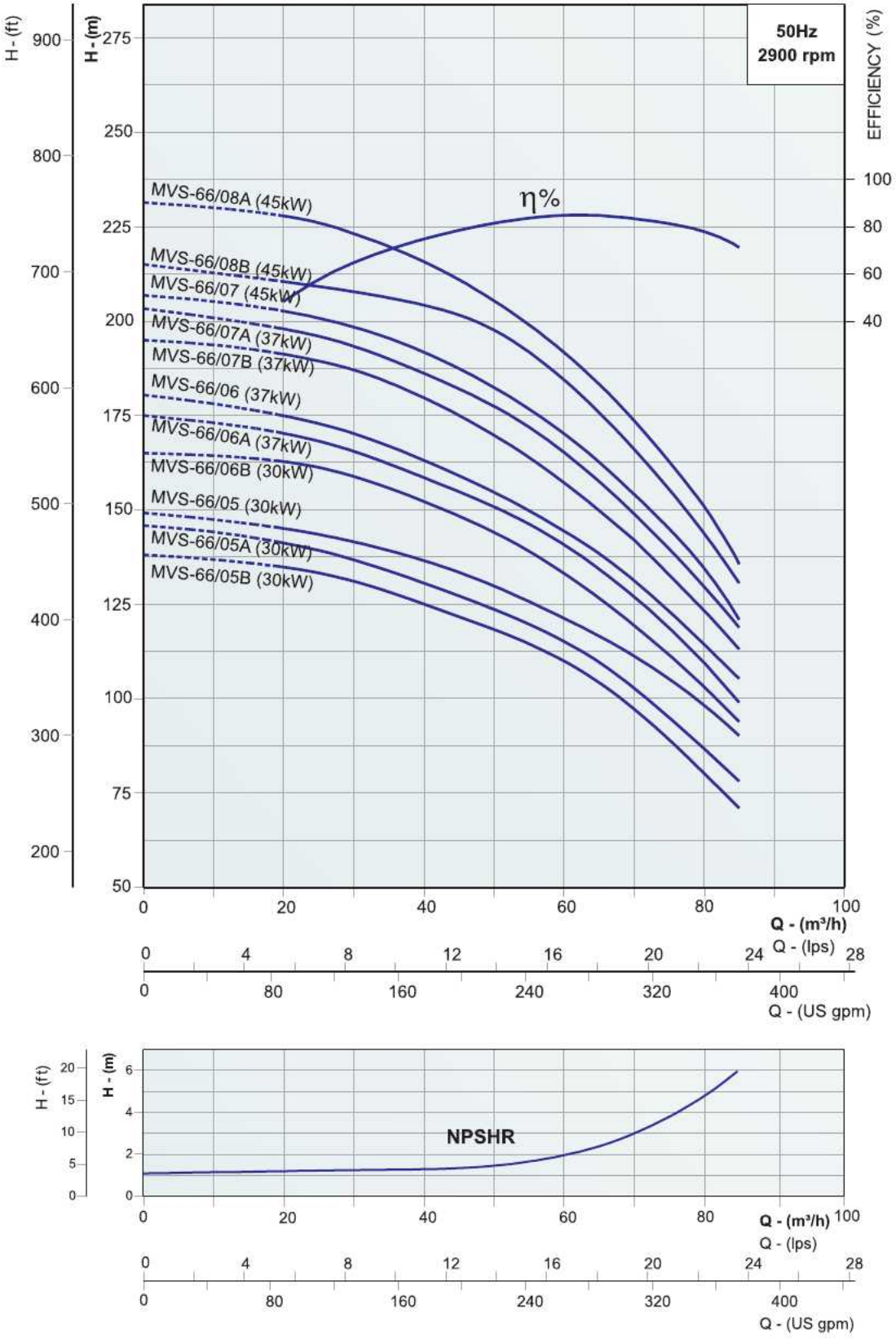
DIMENSIONS & WEIGHT

PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)							APPROX NETT WEIGHT WITHOUT PACKING IN kg			
	kW	HP	L1	L2		X		ØY	Z	PUMP		MOTOR	
				1Ph	3Ph	1Ph	3Ph			MVC (R)	MVS & N (P)	1Ph	3Ph
MVS-66/05B	30	40	988	-	630	-	313.5	sq340	305	114	111	-	242
MVS-66/05A	30	40	988	-	630	-	313.5	sq340	305	114	111	-	242
MVS-66/05	30	40	988	-	630	-	313.5	sq340	305	114	111	-	242
MVS-66/06B	30	40	1068	-	630	-	313.5	sq340	305	118	115	-	242
MVS-66/06A	37	50	1068	-	650	-	313.5	395	305	121	118	-	258
MVS-66/06	37	50	1068	-	650	-	313.5	395	305	121	118	-	258
MVS-66/07B	37	50	1148	-	650	-	313.5	395	305	125	122	-	258
MVS-66/07A	37	50	1148	-	650	-	313.5	395	305	125	122	-	258
MVS-66/07	45	60	1148	-	695	-	334	435	305	125	122	-	320
MVS-66/08B	45	60	1228	-	695	-	334	435	305	129	126	-	320
MVS-66/08A	45	60	1228	-	695	-	334	435	305	129	126	-	320

NOMINAL FLOW : 66m³/h

PERFORMANCE CURVES

MV-66



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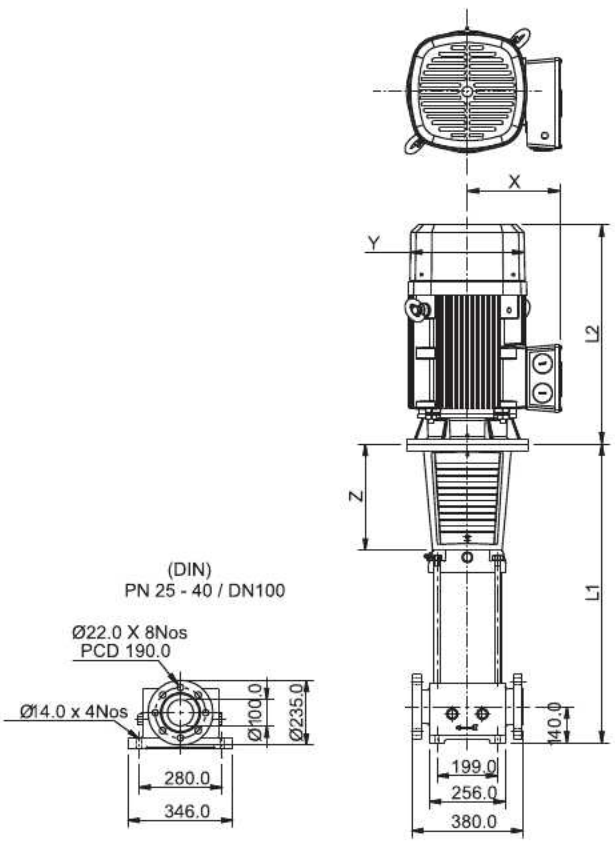
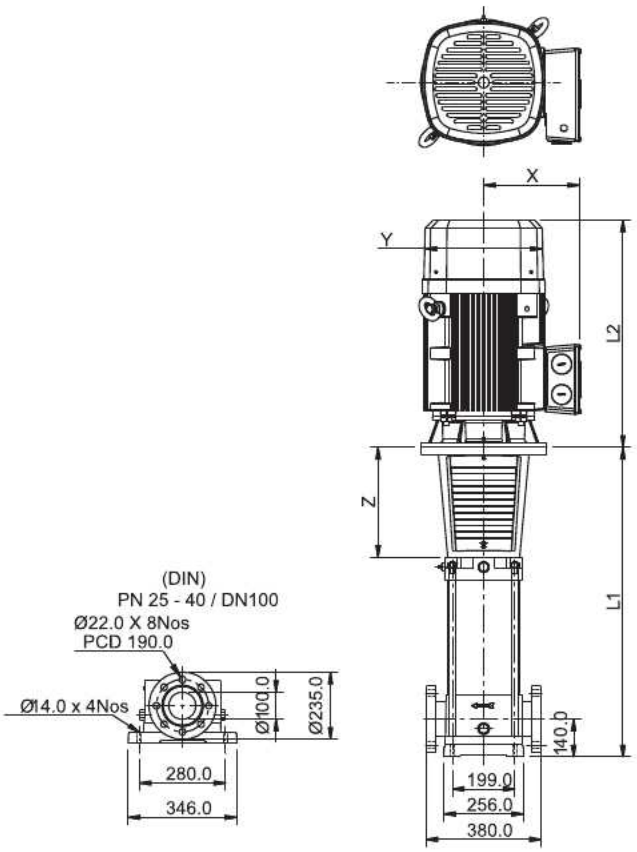
MV-90

MVC (ROUND FLANGE)



MVS & N (ROUND FLANGE)



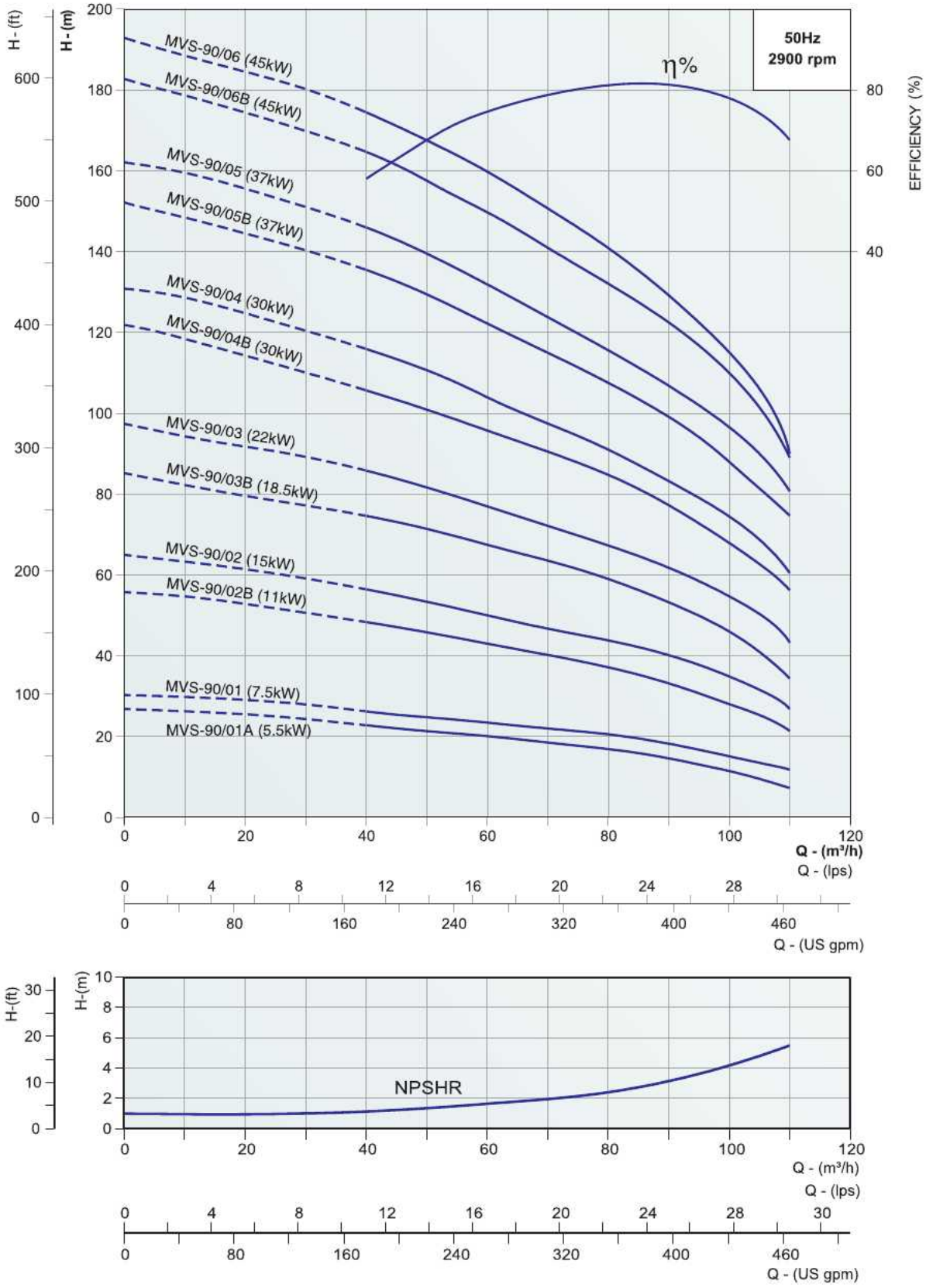
DIMENSIONS & WEIGHT

PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)							APPROX NETT WEIGHT WITHOUT PACKING IN kg			
	kW	HP	L1	L2		X		ØY	Z	PUMP		MOTOR	
				1Ph	3Ph	1Ph	3Ph			MVC (R)	MVS & N (P)	1Ph	3Ph
MVS-90/01A	5.5	7.5	572	-	385	-	205	247	201	80	78	-	41
MVS-90/01	7.5	10	572	-	424	-	205	257	201	80	78	-	48
MVS-90/02B	11	15	768	-	495	-	261	312	305	102	100	-	122
MVS-90/02	15	20	768	-	495	-	261	312	305	102	100	-	131
MVS-90/03B	18.5	25	860	-	495	-	261	312	305	110	108	-	151
MVS-90/03	22	30	860	-	630	-	272.5	sq340	305	110	108	-	180
MVS-90/04B	30	40	952	-	630	-	313.5	sq340	305	118	116	-	242
MVS-90/04	30	40	952	-	630	-	313.5	sq340	305	118	116	-	242
MVS-90/05B	37	50	1044	-	650	-	313.5	395	305	129	127	-	258
MVS-90/05	37	50	1044	-	650	-	313.5	395	305	129	127	-	258
MVS-90/06B	45	60	1136	-	695	-	334	435	305	137	135	-	320
MVS-90/06	45	60	1136	-	695	-	334	435	305	137	135	-	320

NOMINAL FLOW : 90m³/h

PERFORMANCE CURVES

MV-90



Replace the 3rd digit in model name as "C" for Cast Iron pump base & pump head models and "N" for SS 316 construction.
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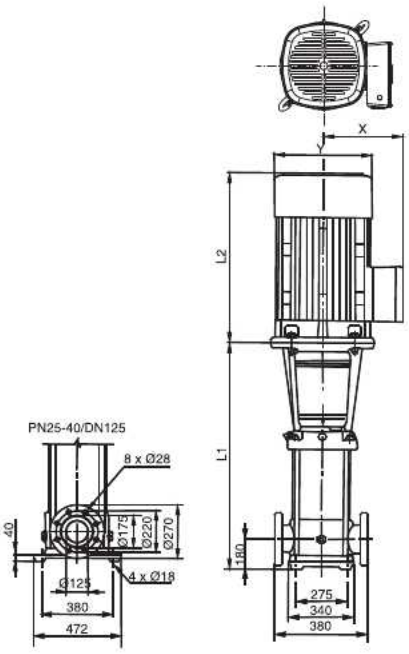
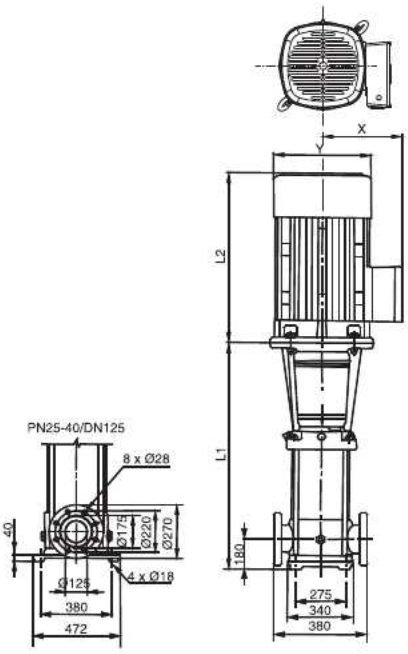
MV-120

MVC (ROUND FLANGE)



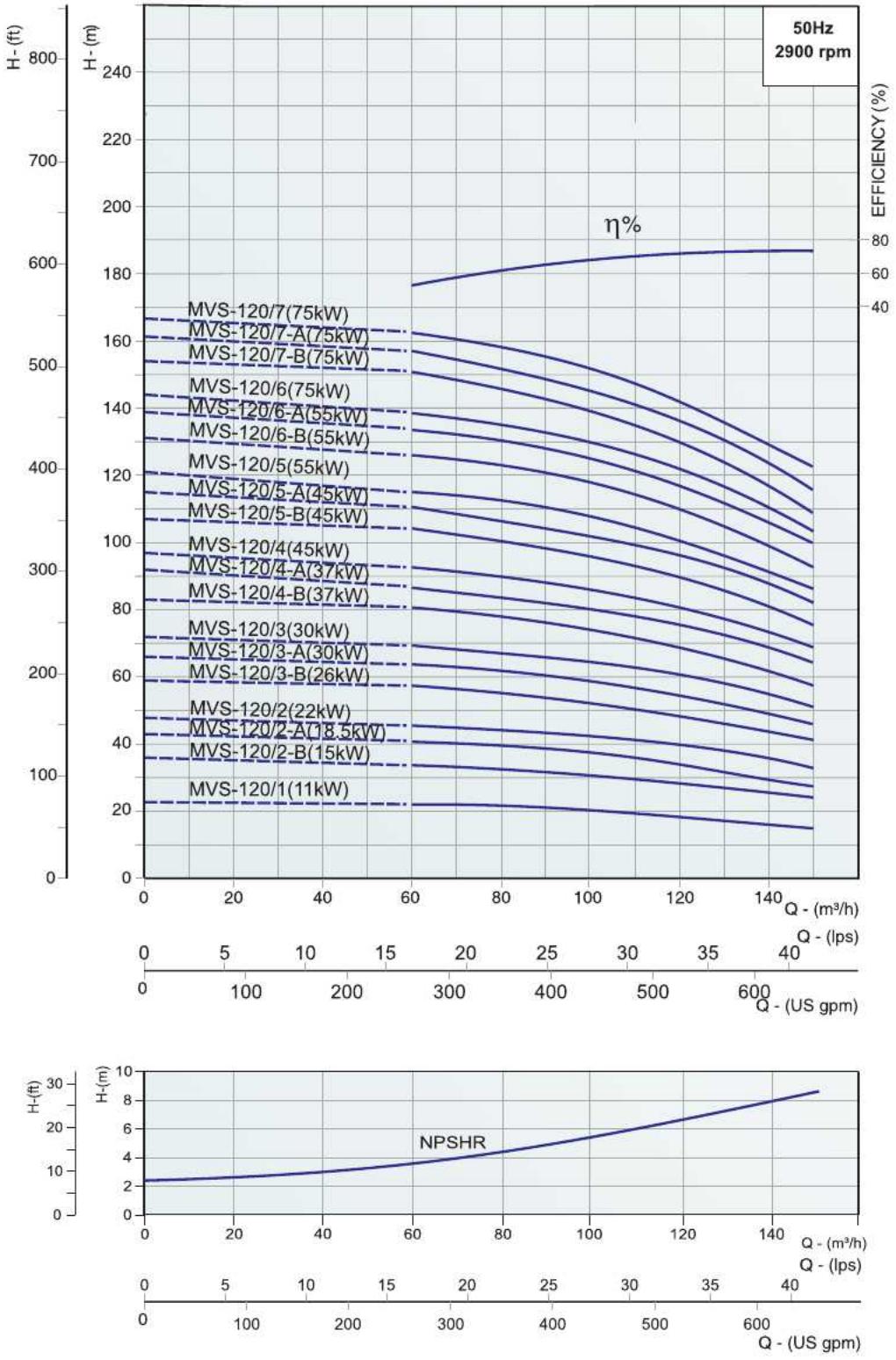
MVS & N (ROUND FLANGE)



DIMENSIONS & WEIGHT

PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)						APPROX NETT WEIGHT in kg
	kW	HP	L1	L2		X		ØY	
				1Ph	3Ph	1Ph	3Ph		
MVS-120/1	11	15	840	-	500	-	255	330	230
MVS-120/2B	15	20	1000	-	500	-	255	330	245
MVS-120/2A	18.5	25	1000	-	550	-	255	330	250
MVS-120/2	22	30	1000	-	575	-	285	360	285
MVS-120/3B	26	35	1160	-	575	-	285	360	326
MVS-120/3A	30	40	1160	-	650	-	310	400	360
MVS-120/3	30	40	1160	-	650	-	310	400	360
MVS-120/4B	37	50	1320	-	650	-	310	400	400
MVS-120/4A	37	50	1320	-	650	-	310	400	400
MVS-120/4	45	60	1320	-	685	-	340	460	460
MVS-120/5B	45	60	1480	-	685	-	340	460	470
MVS-120/5A	45	60	1480	-	685	-	340	460	470
MVS-120/5	55	75	1510	-	760	-	370	540	575
MVS-120/6B	55	75	1670	-	760	-	370	540	585
MVS-120/6A	55	75	1670	-	760	-	370	540	585
MVS-120/6	75	100	1830	-	845	-	410	580	705
MVS-120/7B	75	100	1830	-	845	-	410	580	715
MVS-120/7A	75	100	1830	-	845	-	410	580	715
MVS-120/7	75	100	1830	-	845	-	410	580	715

NOMINAL FLOW : 120m³/h PERFORMANCE CURVES MV-120



Replace the 3rd digit in model name as "C" for Cast Iron pump base & pump head models and "N" for SS 316 construction.
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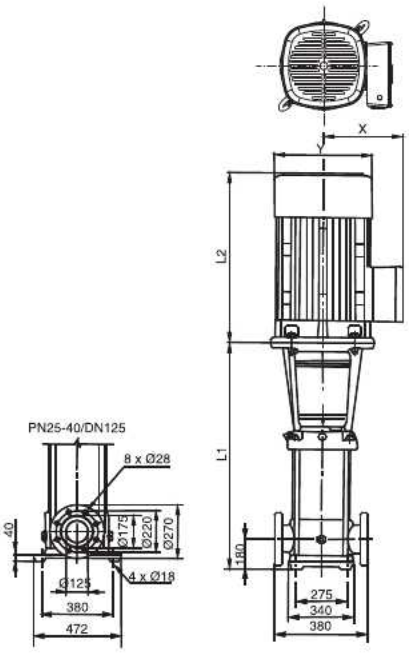
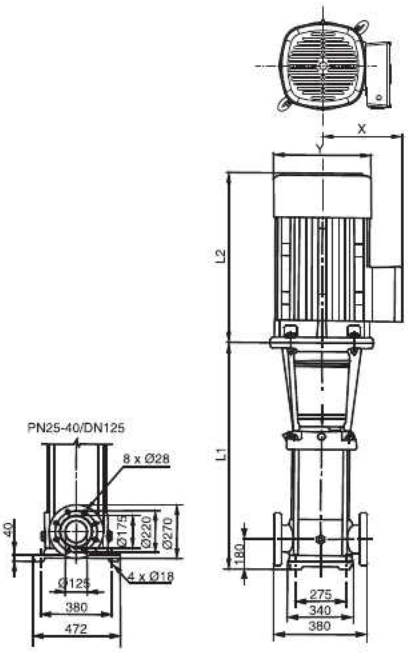
MV-150

MVC (ROUND FLANGE)



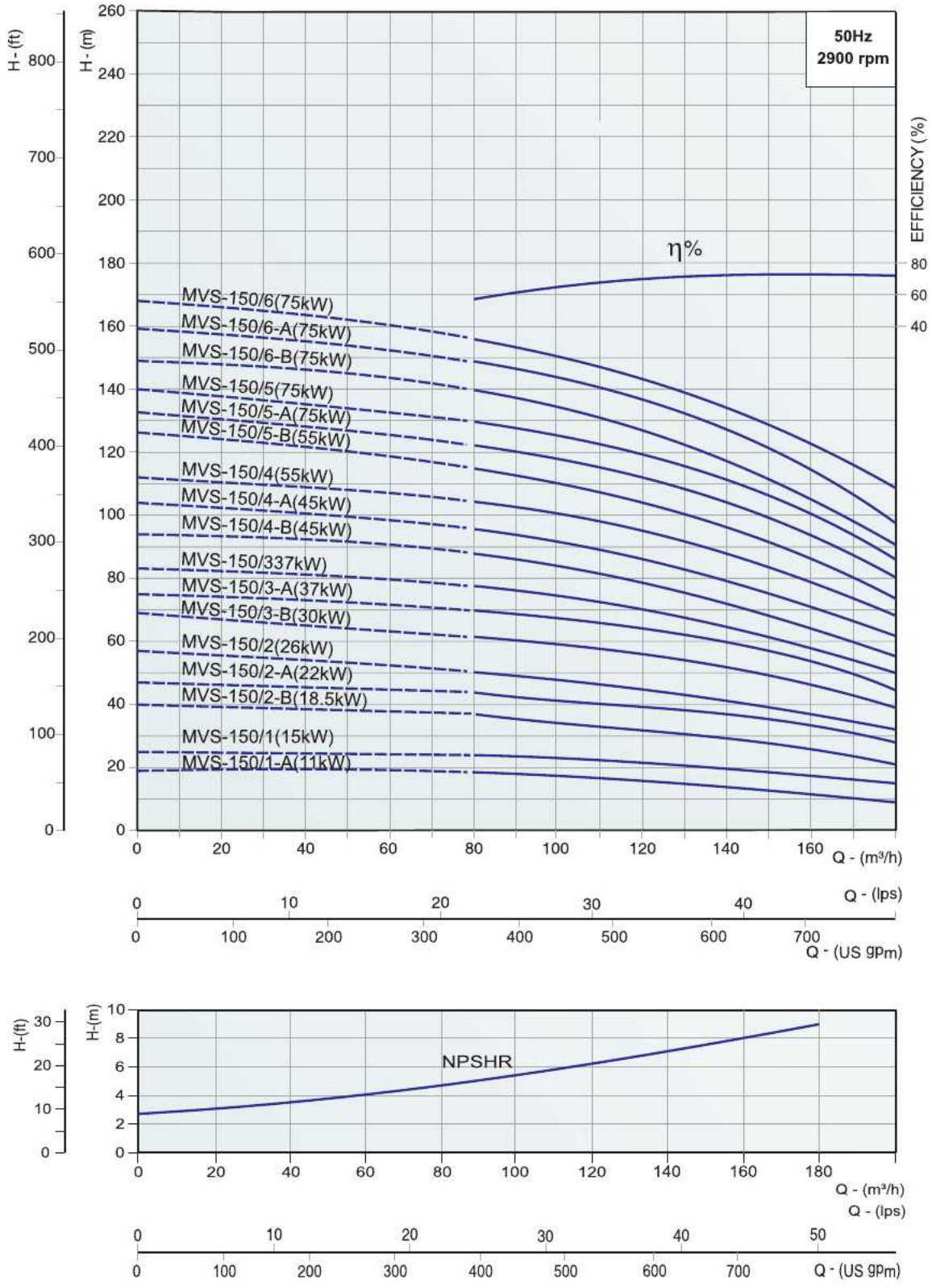
MVS & N (ROUND FLANGE)



DIMENSIONS & WEIGHT

PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)						APPROX NETT WEIGHT in kg
	kW	HP	L1	L2		X		ØY	
				1Ph	3Ph	1Ph	3Ph		
MVS-150/1A	11	15	840	-	500	-	255	330	230
MVS-150/1	15	20	840	-	500	-	255	330	235
MVS-150/2B	18.5	25	1000	-	550	-	255	330	250
MVS-150/2A	22	30	1000	-	575	-	285	360	295
MVS-150/2	26	35	1000	-	575	-	285	360	317
MVS-150/3B	30	40	1160	-	650	-	310	400	360
MVS-150/3A	37	50	1160	-	650	-	310	400	360
MVS-150/3	37	50	1160	-	650	-	310	400	385
MVS-150/4B	45	60	1320	-	685	-	340	460	460
MVS-150/4A	45	60	1320	-	685	-	340	460	460
MVS-150/4	55	75	1350	-	760	-	370	540	560
MVS-150/5B	55	75	1510	-	760	-	370	540	570
MVS-150/5A	75	100	1510	-	845	-	410	580	690
MVS-150/5	75	100	1510	-	845	-	410	580	690
MVS-150/6B	75	100	1670	-	845	-	410	580	700
MVS-150/6A	75	100	1670	-	845	-	410	580	700
MVS-150/6	75	100	1670	-	845	-	410	580	700

NOMINAL FLOW : 150m³/h PERFORMANCE CURVES MV-150



Replace the 3rd digit in model name as "C" for Cast Iron pump base & pump head models and "N" for SS 316 construction.
The given performance is same for Type - C, S & N
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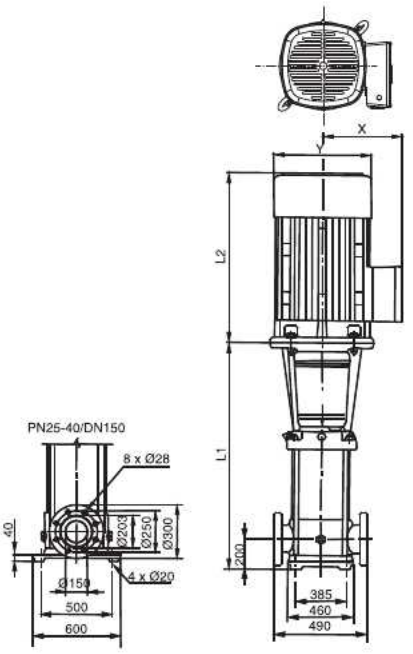
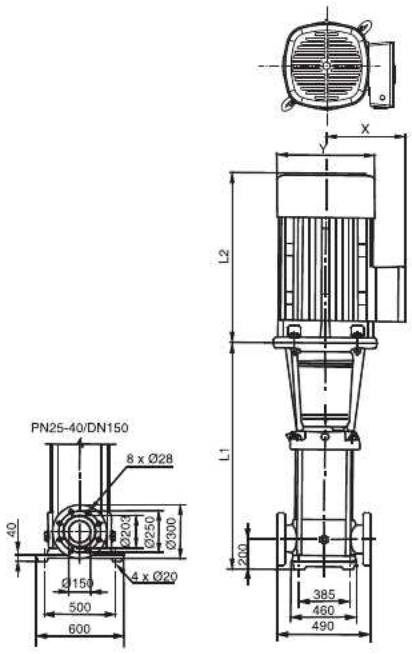
MV-200

MVC (ROUND FLANGE)



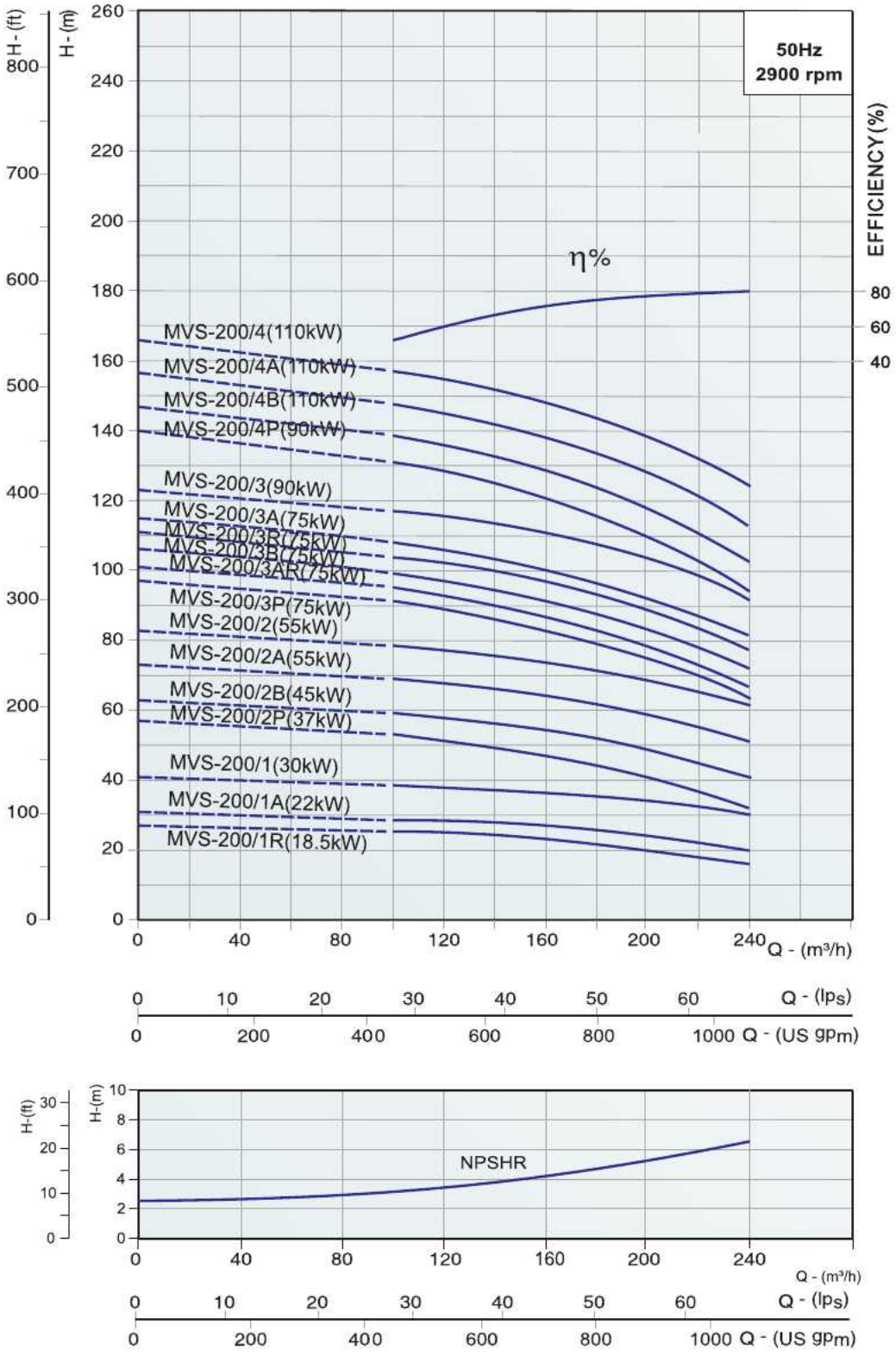
MVS & N (ROUND FLANGE)



DIMENSIONS & WEIGHT

PUMP MODEL	MOTOR POWER		DIMENSIONS IN mm (APPROX)						APPROX NETT WEIGHT in kg
	kW	HP	L1	L2		X		ØY	
				1Ph	3Ph	1Ph	3Ph		
MVS-200/1R	18.5	25	907	-	550	-	330	255	311
MVS-200/1A	22	30	907	-	575	-	360	285	347
MVS-200/1	30	40	907	-	650	-	400	310	403
MVS-200/2P	37	50	1101	-	650	-	400	310	447
MVS-200/2B	45	60	1101	-	685	-	460	340	504
MVS-200/2A	55	75	1131	-	760	-	540	370	595
MVS-200/2	55	75	1131	-	760	-	540	370	595
MVS-200/3P	75	100	1325	-	845	-	580	410	748
MVS-200/3AR	75	100	1325	-	845	-	580	410	748
MVS-200/3B	75	100	1325	-	845	-	580	410	748
MVS-200/3R	75	100	1325	-	845	-	580	410	748
MVS-200/3A	75	100	1325	-	845	-	580	410	748
MVS-200/3	90	120	1325	-	895	-	580	410	817
MVS-200/4P	90	120	1519	-	895	-	580	410	830
MVS-200/4B	110	150	1519	-	1140	-	645	550	1180
MVS-200/4A	110	150	1519	-	1140	-	645	550	1180
MVS-200/4	110	150	1519	-	1140	-	645	550	1180

NOMINAL FLOW : 200m³/h PERFORMANCE CURVES MV-200



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BOOSTER SYSTEM CONTROL

Booster controllers and control system are used to ensure uninterrupted water supply with constant pressure. These control systems are imperative to control single or multiple pump booster systems.

C.R.I. MV Series pumps are compatible for different types of controllers such as PID (Proportional Integrated Derivative) Controllers, PLC (Programmable Logic Controllers) and VFD (Variable Frequency Drive) Controllers. These controllers are suitable for both 50 & 60 Hz operations. Based on the number of pumps and motorpower used in the booster system controllers can be designed / selected suitably. These control systems will indicate all the electrical parameters besides pressure and flow of each pump installed in the system. Based on the requirement pressure and flow can be preset.

PID control systems are available with Auto / Manual mode and are incorporated with inverter and LCD display. Other equipments such as pressure sensor and dry run monitor are connected to the control systems. In case of any pump failure while operating multiple pumps the controller will skip the failed pump. The controller will record all data of the control system and sense and display the nature of faults or abnormalities, if any.

These controllers are also available with automatic pump changeover mechanism which ensures evenly distributed utilization of all pumps in the multiple booster system.

W I N N I N G W A Y S

When you have a good thing going it is quite in the fitting of things that recognitions come our way. Several prestigious awards, which decorate our shelf, say it all. These rewards not only acknowledge our position as a leader in the water pump industry but also serve as reminders about what the customer expects from a winner. And we, as ever, have our ears perfectly tuned to customer expectations.

C.R.I. PUMPS PRIVATE LIMITED

Regd. Office : 7/46-1, Keeranatham Road, Saravanampatty, Coimbatore - 641 035. Tamilnadu, INDIA.
Phone : +91-422-3008000, Fax : +91-422-3008002, E-mail : corp@cripumps.com www.crigroups.com
Toll Free 1800 200 1234

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