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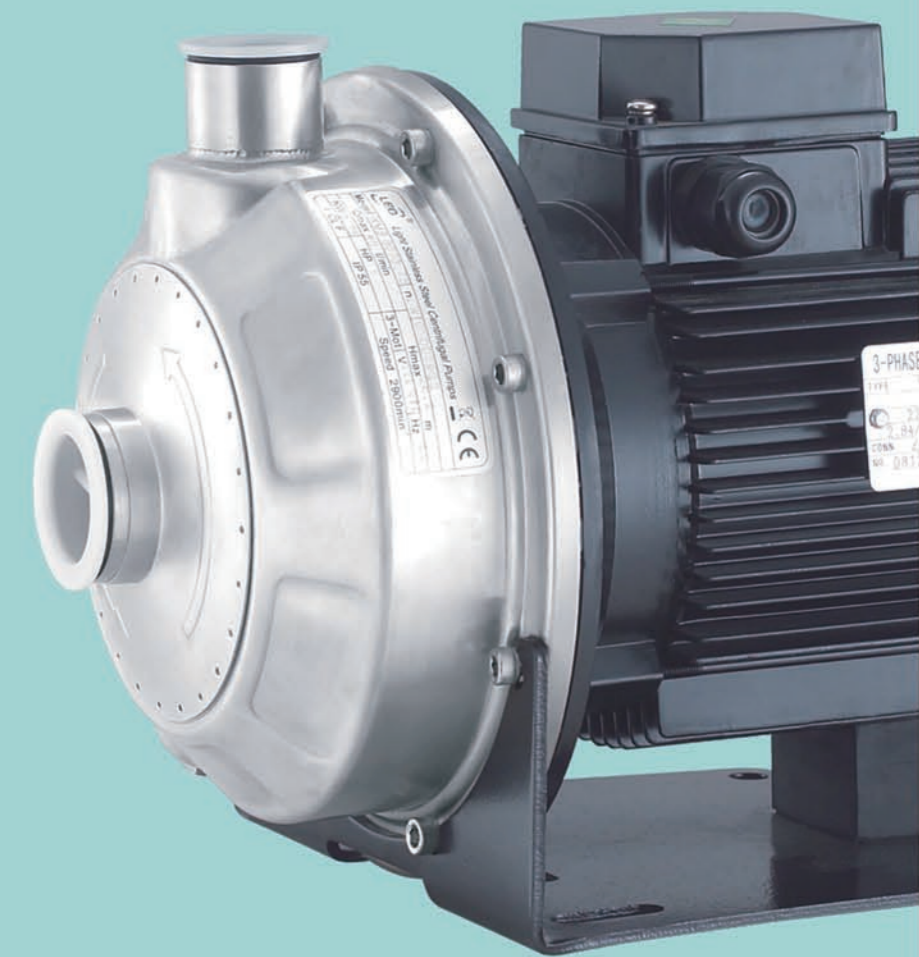


Love Each Other

STAINLESS STEEL SINGLE-STAGE CENTRIFUGAL PUMPS

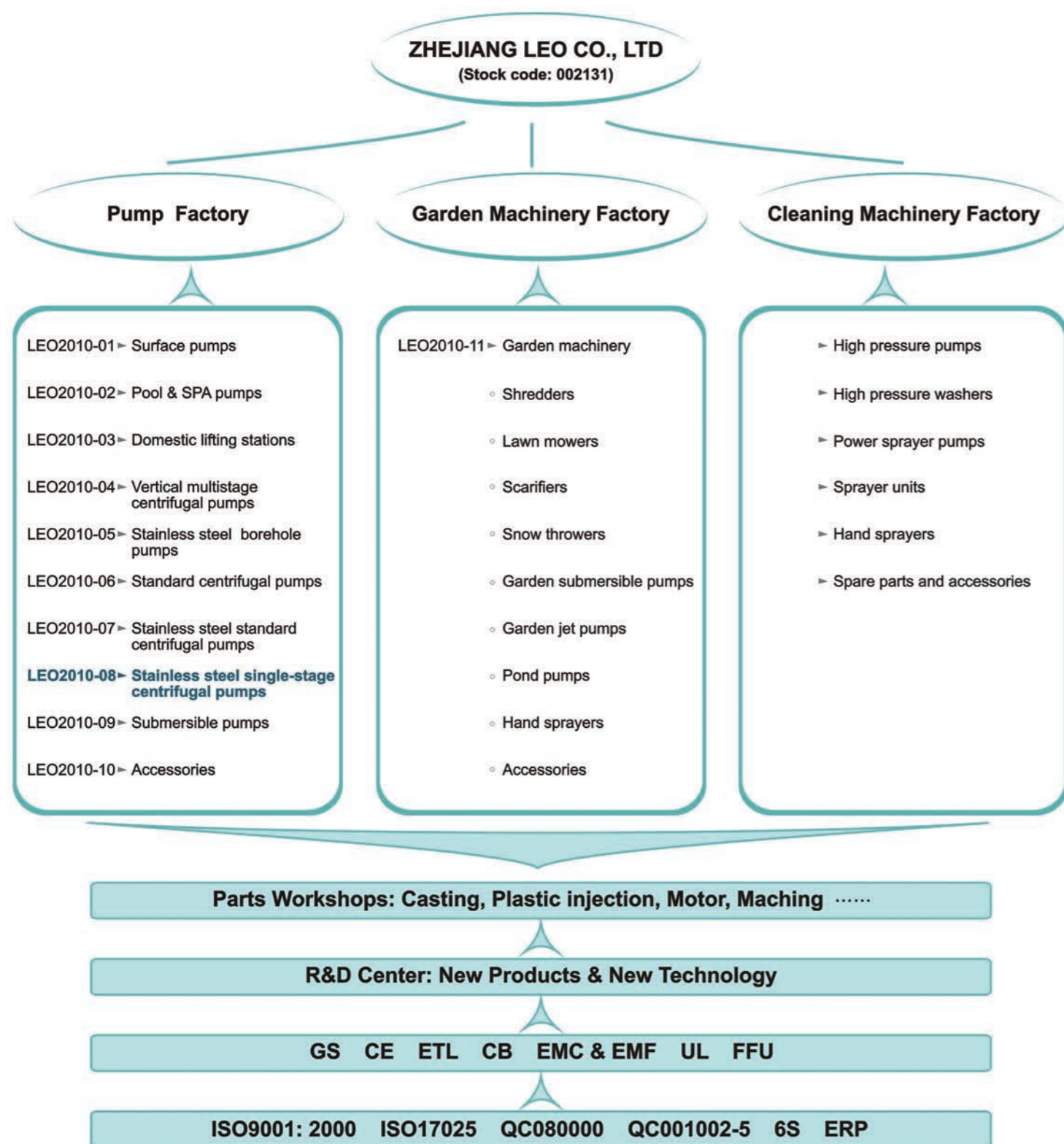
LEO2010-08

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COMPANY PROFILE



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FEATURES

- XMS series are single-stage centrifugal pumps and feature axial suction and radial discharge
- Compact structure & coaxial installation. The pump is directly connected with the motor.
- Convenient installation, threaded inlet and outlet
- Lightweight, thin plate pressing structure for main parts and components
- Corrosion resistance, components in contact with pumped liquid are of AISI304 or AISI316 stainless steel

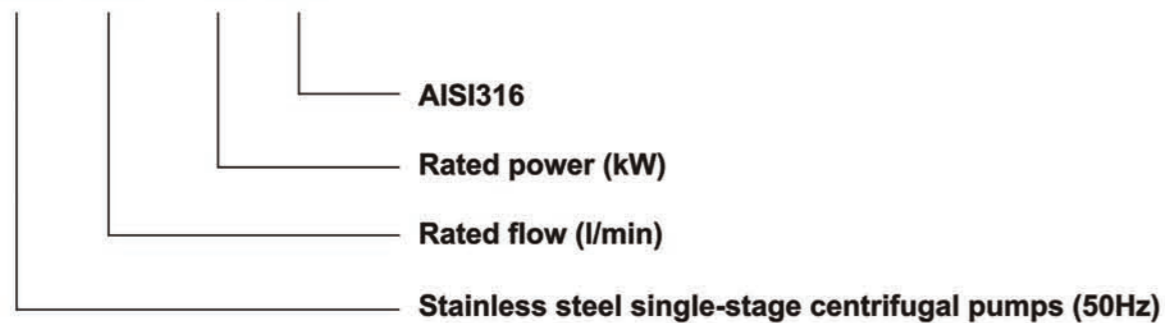


APPLICATIONS

- Pressurization and pumping of industrial and civilian clean water or other liquids
- Water treatment
- Water circulating system
- Agricultural irrigation
- Other fields

IDENTIFICATION CODES

XMS 250 / 1.5 (B)



PUMPED MEDIUMS

- Thin, clean, non-flammable and explosive, not containing the liquid with solid particles and fibers
- Able to transmit light corrosive medium
- The density of transmitted medium shall be less than that of clean water, and the viscosity shall be close to that of water.
If neither, a motor with a higher output power rating shall be used.

OPERATING CONDITIONS

- Liquid temperature -10°C~+85°C
- Ambient temperature: up to +40°C
- Altitude: up to 1000m
- Max. operating pressure: 8 bar

MOTOR

- TEFC motor, 2-pole
- Protection class: IP55
- Insulation class: 155
- Standard voltage: 50Hz, 1×220V, 3×380V×220V

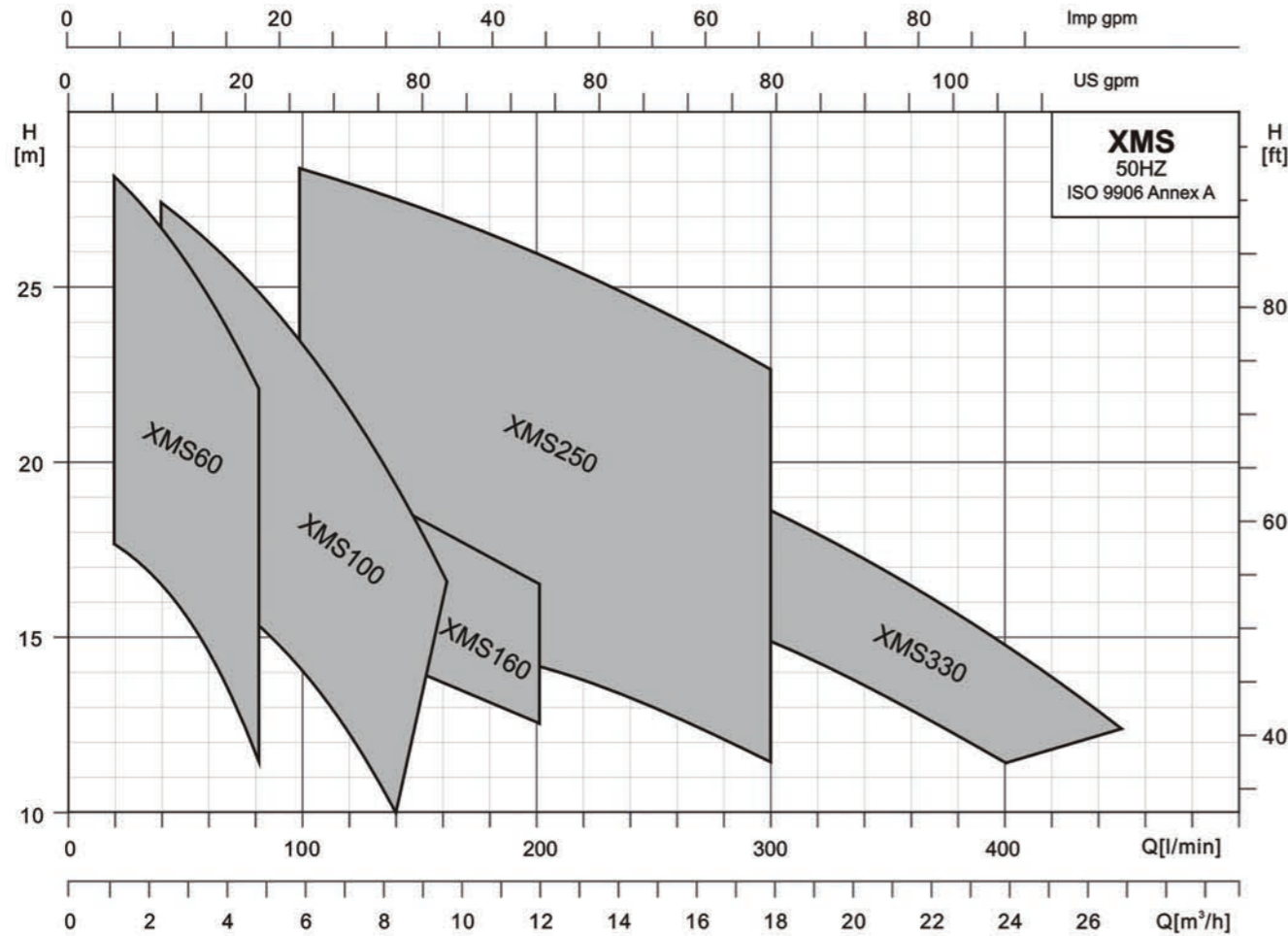
INSTALLATION REQUIREMENTS

- The pump shall be fastened on the stable horizontal base.
- The installation of the pump shall ensure that the pump will not be influenced by the tension of the pipeline.
- The pump shall be installed on the ventilating and anti-freezing place to ensure normal operation of the motor.
- Electric wiring device shall guarantee that the pump will not be damaged due to lack of phase, unstable voltage, current leakage and overload.

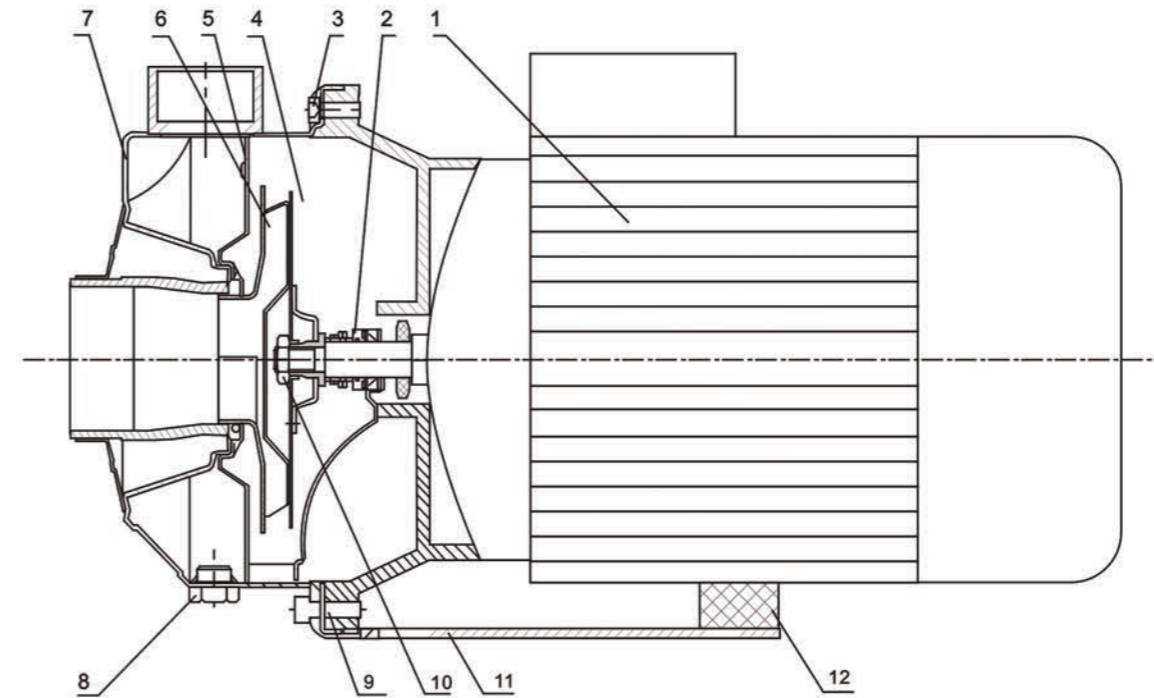
GUIDELINES TO PERFORMANCE CURVES

- Tolerance to ISO 9906, Annex A.
- All curves have been made with 3×380V and the constant speed of 2850rpm.
- Measurements have been made with airless water at a temperature of 20°C and kinematic viscosity of 1mm²/s.
- Refer to the performance range for the operation of the pump to prevent the motor from overloading caused by too large of a flow rate.

HYDRAULIC PERFORMANCE RANGES OF 50HZ



CROSS SECTION



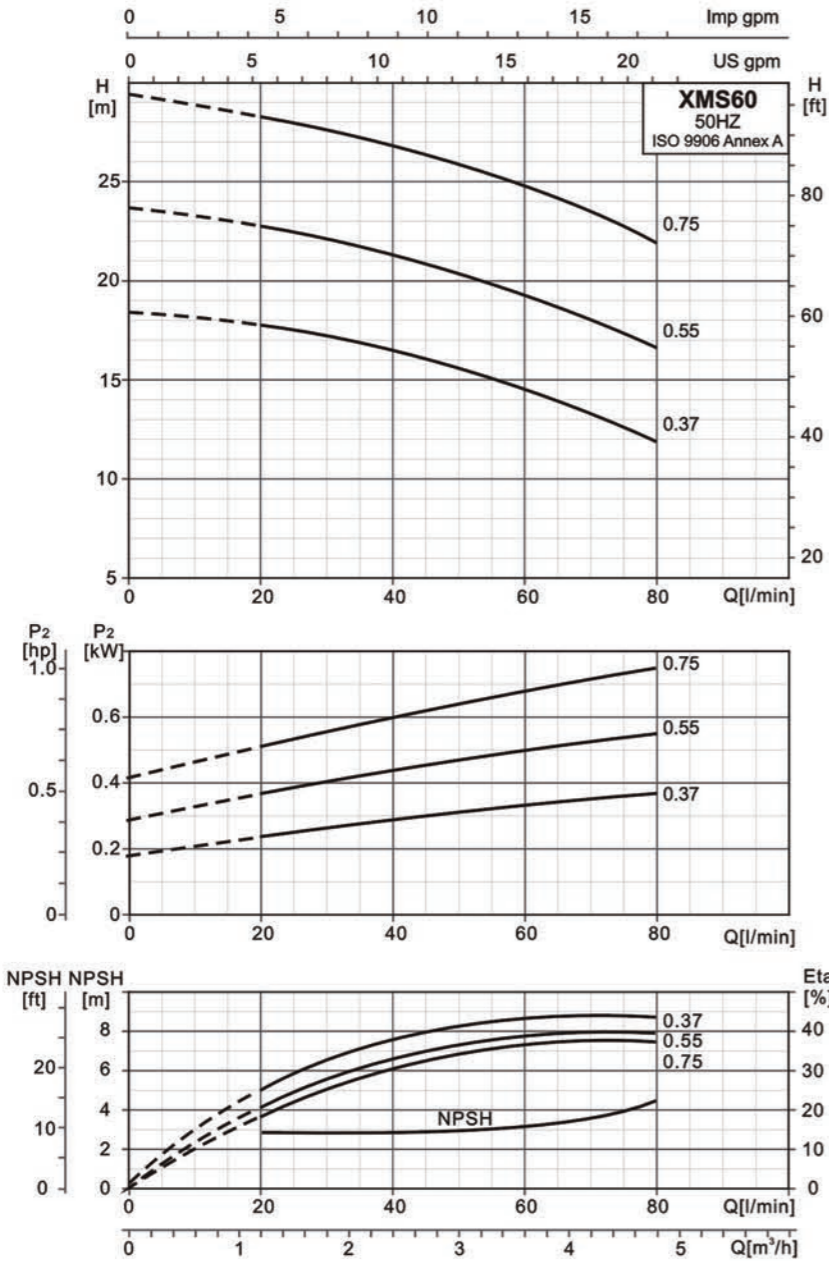
HYDRAULIC PERFORMANCE DATA

TYPE		STAINLESS STEEL SINGLE-STAGE CENTRIFUGAL PUMPS																
MODEL	POWER	Q(l/min) Q(m³/h)	20 1.2	40 2.4	60 3.6	80 4.8	100 6.0	120 7.2	140 8.4	160 9.6	200 12	250 15	300 18	330 20	350 21	400 24	450 27	
XMS60/0.37	0.37	H(m)	17.7	16.4	14.6	11.4												
XMS60/0.55	0.55		22.7	21.3	19.5	16.2												
XMS60/0.75	0.75		28.2	26.8	25	22												
XMS100/0.55	0.55		17.8	16.7	15.4	14	12.2	9.9										
XMS100/1.1	1.1		27.4	26.3	25	23.4	21.5	19.5	16.7									
XMS160/0.75	0.75		15.5	15.3	15	14.8	14.3	13.8	12.5									
XMS160/1.1	1.1		19.7	19.5	19.3	19.1	18.7	18.2	16.5									
XMS250/1.1	1.1		15.8	15.6	15.4	15	14.3	13	11.5									
XMS250/1.5	1.5		23.2	23	22.7	22.2	21.4	19.8	17.7									
XMS250/2.2	2.2		28.2	27.8	27.5	27	26.2	24.6	22.6									
XMS330/1.5	1.5		18.8	18.7	18.5	17.8	16.7	15	14	13.5	11.6							
XMS330/2.2	2.2		22.5	22.2	22	21.5	20.3	18.7	17.5	16.8	14.8	12.3						

TABLE OF MATERIALS

	PART	MATERIAL	REFERENCE STANDARD
1	Motor		
2	Mechanical seal	Ceramic / carbon	
3	M6x15 / Screw	0Cr18Ni9 / SS304	AISI304
4	Seal base	0Cr18Ni9 / SS304	AISI304
5	Diffuser	0Cr18Ni9 / SS304	AISI304
6	Impeller	0Cr18Ni9 / SS304	AISI304
7	Pump body	0Cr18Ni9 / SS304	AISI304
8	Drainage plug	0Cr18Ni9 / SS304	AISI304
9	M6x20 / Screw	0Cr18Ni9 / SS304	AISI304
10	Nut M10	0Cr18Ni9 / SS304	AISI304
11	Base	Steel	A570
12	Support	NBR	

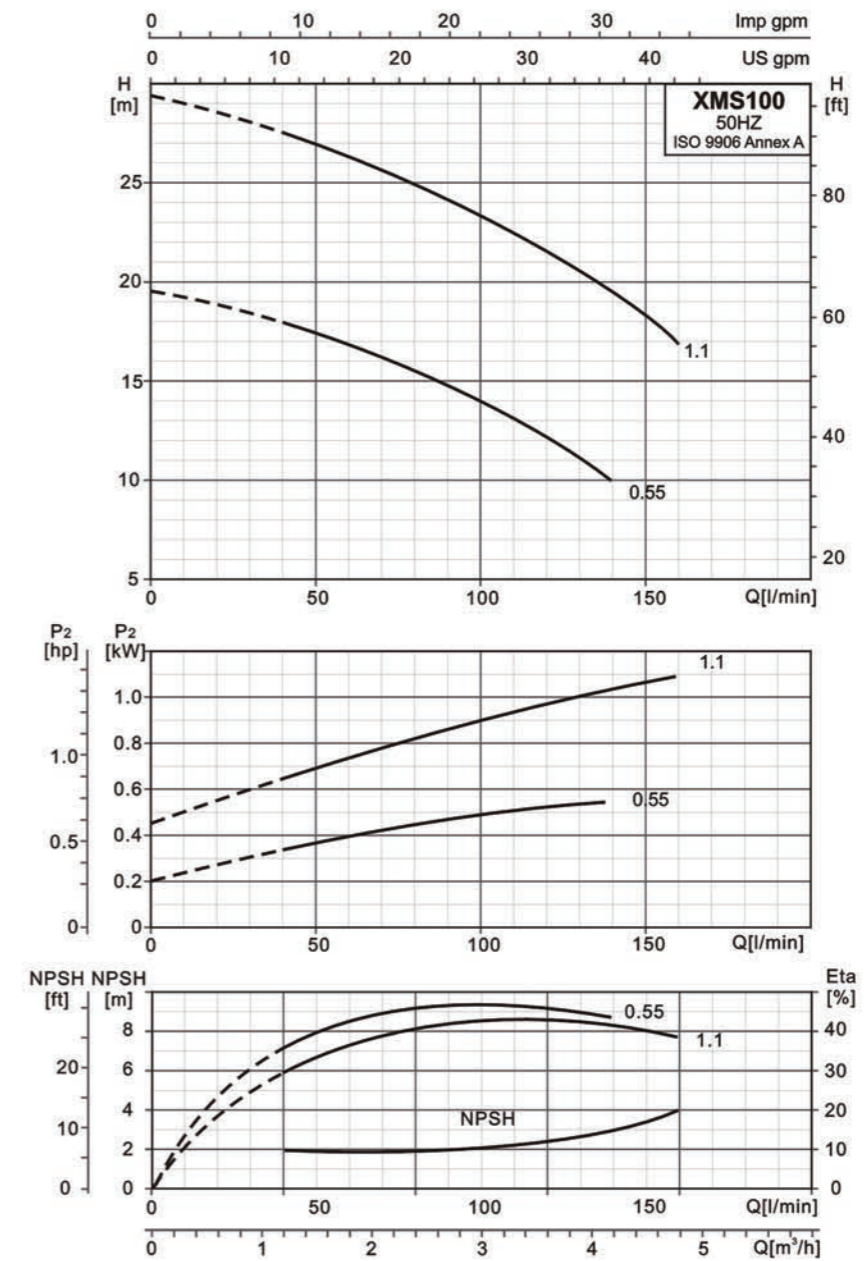
HYDRAULIC PERFORMANCE CURVES



HYDRAULIC PERFORMANCE DATA

MODEL	POWER		Q(l/min) Q(m³/h)	0	10	20	30	40	60	80
	(HP)	(kW)		0	0.6	1.2	1.8	2.4	3.6	4.8
XMS60/0.37	0.5	0.37	H(m)	18.5	18	17.7	17.1	16.4	14.6	11.4
XMS60/0.55	0.75	0.55		23.8	23.2	22.7	22	21.3	19.5	16.2
XMS60/0.75	1	0.75		29.5	29	28.2	27.5	26.8	25	22

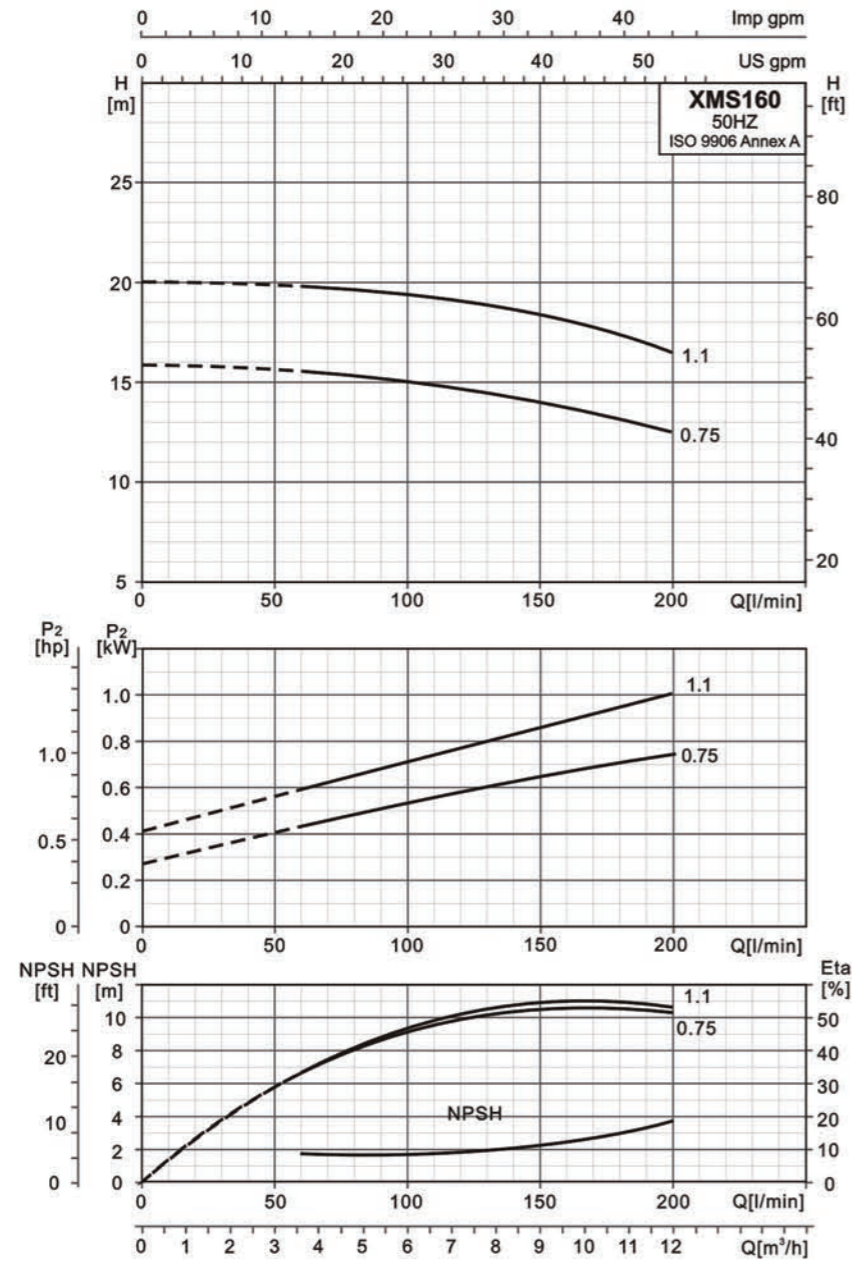
HYDRAULIC PERFORMANCE CURVES



HYDRAULIC PERFORMANCE DATA

MODEL	POWER		Q(l/min) Q(m³/h)	0	40	80	100	120	140	160
	(HP)	(kW)		0	2.4	4.8	6.0	7.2	8.4	9.6
XMS100/0.55	0.75	0.55	H(m)	19.5	17.8	15.4	14	12.2	9.9	—
XMS100/1.1	1.5	1.1		29.4	27.4	25	23.4	21.5	19.5	16.7

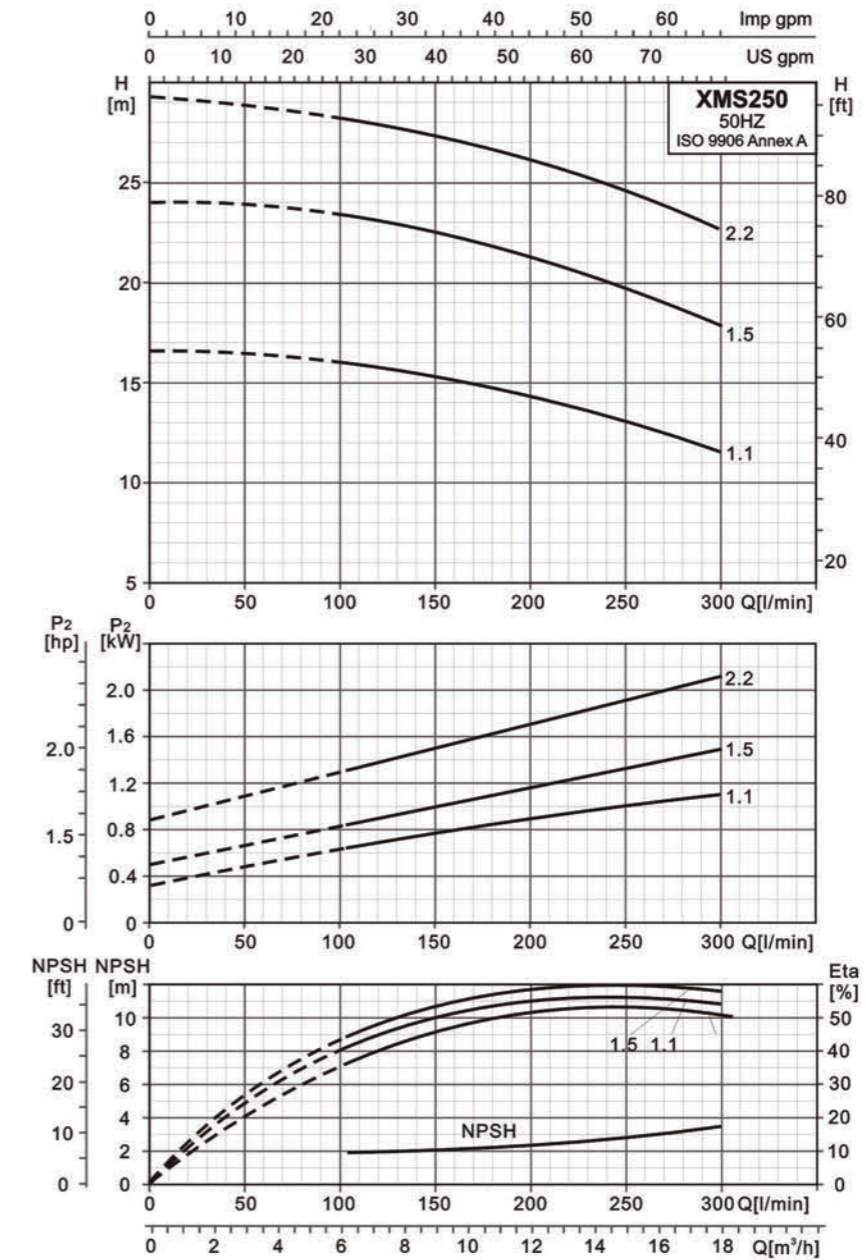
HYDRAULIC PERFORMANCE CURVES



HYDRAULIC PERFORMANCE DATA

MODEL	POWER		Q(l/min) Q(m³/h)	0	60	80	100	120	160	200
	(HP)	(kW)		0	3.6	4.8	6	7.2	9.6	12
XMS160/0.75	1	0.75	H(m)	16	15.5	15.3	15	14.8	13.8	12.5
XMS160/1.1	1.5	1.1		20	19.7	19.5	19.3	19.1	18.2	16.5

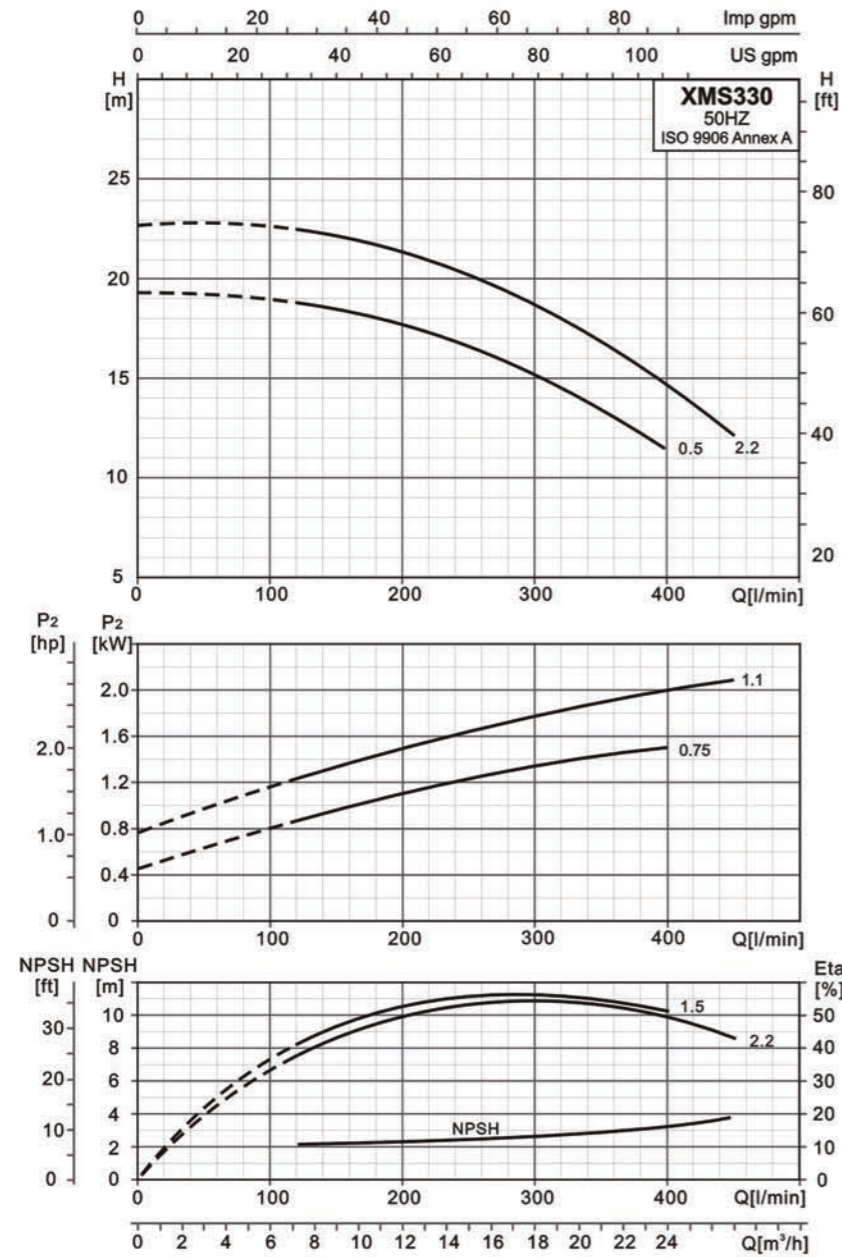
HYDRAULIC PERFORMANCE CURVES



HYDRAULIC PERFORMANCE DATA

MODEL	POWER		Q(l/min) Q(m³/h)	0	50	100	140	200	250	300
	(HP)	(kW)		0	3	6	8.4	12	15	18
XMS250/1.1	1.5	1.1	H(m)	16.5	16.3	15.8	15.4	14.3	13	11.5
XMS250/1.5	2	1.5		24	23.8	23.2	22.7	21.4	19.8	17.7
XMS250/2.2	3	2.2		29.2	28.9	28.2	27.5	26.2	24.6	22.6

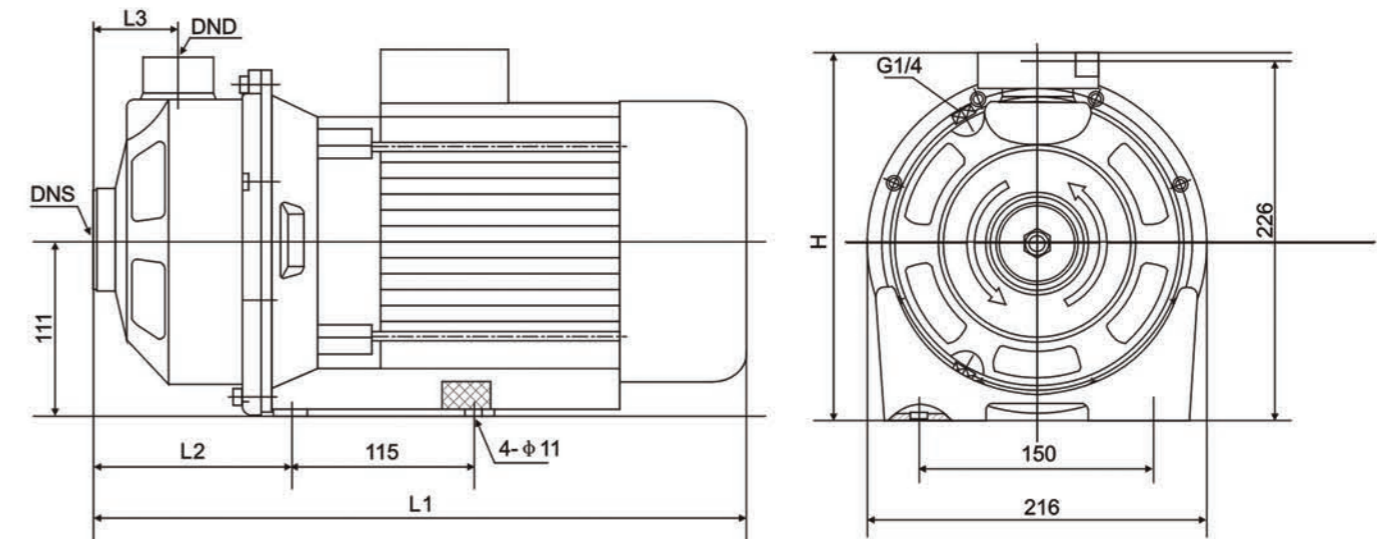
HYDRAULIC PERFORMANCE CURVES



HYDRAULIC PERFORMANCE DATA

MODEL	POWER		Q(l/min) Q(m³/h)	0	120	200	300	350	400	450
	(HP)	(kW)		0	7.2	12	18	21	24	27
XMS330/1.5	2	1.5	H(m)	19.3	18.8	17.8	15	13.5	11.6	—
XMS330/2.2	3	2.2		22.8	22.5	21.5	18.7	16.8	14.8	12.3

INSTALLATION SKETCH



INSTALLATION DIMENSIONS

TYPE	MOTOR		STAINLESS STEEL SINGLE-STAGE CENTRIFUGAL PUMPS							
	MODEL	HP	(kW)	L1 (mm)	L2 (mm)	L3 (mm)	H (mm)	DNS Inlet	DND Outlet	WEIGHT (kg)
XMS60/0.37	0.5	0.37		340	109	55	223	G1¼	G1¼	10
XMS60/0.55	0.75	0.55		340	109	55	223	G1¼	G1¼	11
XMS60/0.75	1	0.75		377	109	55	223	G1¼	G1¼	13
XMS100/0.55	0.75	0.55		340	109	55	223	G1¼	G1¼	11
XMS100/1.1	1.5	1.1		388	119	55	223	G1¼	G1¼	14
XMS160/0.75	1	0.75		377	109	55	223	G1¼	G1¼	13
XMS160/1.1	1.5	1.1		388	119	55	223	G1¼	G1¼	14
XMS250/1.1	1.5	1.1		388	119	55	223	G1¼	G1¼	14
XMS250/1.5	2	1.5		430	119	55	227	G1¼	G1¼	17
XMS250/2.2	3	2.2		430	119	55	227	G1¼	G1¼	18
XMS330/1.5	2	1.5		430	119	55	227	G1¼	G1¼	17
XMS330/2.2	3	2.2		430	119	55	227	G1¼	G1¼	18

REMARK:
