

PERMANENT MAGNET VARIABLE SPEED SERIES



SOFT START DESIGN

The soft start of the air compressor significantly reduces the impact on both electrical and mechanical components as compared to a full voltage start or star delta start designs. Inverter control ensures smooth acceleration and deceleration of the compressor which translates to smooth driving voltage and current characteristic curve.

SYNCRHONOUS DESIGN

Permanent magnet synchronous motor has no slip, no electrical excitation and low heat loss. The motor has a 5 ~ 12% higher efficiency compared to asynchronous motor of the same capacity and maintains high efficiency even when running at low speed.

SILENT

Xinlei's permanent magnet variable speed series air compressor is designed to operate with low noise level. A majority of variable speed air compressor is utilized to run below its rated full speed and therefore reduces the noise level even further by running at lower speeds. Lower noise level also relates to lower mechanical wear and tear and therefore extends the lifetime of the equipment.

► High Efficiency IE4 Motor

► Tapered Connection

► High heat resistance up to 180 °C

► No demagnetization

Technical Specification

MODEL	POWER kW	HP	PRESSURE Bar	CAPACITY m³/min	DIMENSIONS (L×W×H) mm	WEIGHT Kg	OUTLET PIPE DIAMETER	NOISE LEVEL dB
XLPM10A	7.5	10	7	1.05	840X670X925	200	G3/4	65
			8	0.99				
			10	0.90				
			13	0.75				
XLPM15A	11	15	7	1.68	1000X820X1145	300	G3/4	65
			8	1.59				
			10	1.45				
			13	1.30				
XLPM20A	15	20	7	2.20	1000X820X1145	300	G3/4	65
			8	2.10				
			10	1.91				
			13	1.74				
XLPM25A	18.5	25	7	2.80	1100X880X1190	390	G1 1/4	75
			8	2.66				
			10	2.41				
			13	2.20				

MODEL	POWER kW	HP	PRESSURE Bar	CAPACITY m³/min	DIMENSIONS (L×W×H) mm	WEIGHT Kg	OUTLET PIPE DIAMETER	NOISE LEVEL dB
XLPM30A	22	30	7	3.52	1100X880X1190	390	G1 1/4	75
			8	3.36				
			10	3.06				
			13	2.80				
XLPM40A	30	40	7	4.95	1200X950X1358	530	G1 1/4	75
			8	4.72				
			10	4.30				
			13	3.90				
XLPM50A	37	50	7	6.51	1300X1000X1366	590	G1 1/2	75
			8	6.19				
			10	5.62				
			13	5.10				
XLPM60A	45	60	7	7.71	1300X1000X1366	590	G1 1/2	80
			8	7.35				
			10	6.67				
			13	5.80				
XLPM75A	55	75	7	10.14	1600X1300X1600	1210	G2	80
			8	9.66				
			10	8.77				
			13	7.95				
XLPM100A	75	100	7	12.78	1600X1300X1600	1210	G2	80
			8	12.18				
			10	11.07				
			13	9.78				
XLPM120A	90	120	7	14.91	1600X1300X1600	1220	G2	85
			8	14.17				
			10	12.88				
			13	11.50				
XLPM150A	110	150	7	18.96	2090X1550X2000	2300	DN65	85
			8	18.06				
			10	16.42				
			13	14.50				
XLPM175A	132	175	7	23.37	2090X1550X2000	2300	DN65	85
			8	22.26				
			10	20.03				
			13	17.80				

NOTE : * The exhaust volume is measured under the rated exhaust pressure, according to the national standard GB3853 test (equivalent to ISO1217 appendix C).

* Recommend frequency 30%~100%

* The above data is based on the standard grid- 380V / 50HZ

* Please make further inquiry for the non-standard specification type and machines which are used under high/low temperature, high humidity, dusty working environment.