



Compressor Technologies | Africa

EPM Series



EPM Series

Variable Speed Drive
Screw Air Compressor
with high-efficiency PM
(Permanent Magnet)
motor that saves
approximately 6-7%
energy.



Digital Intelligent Management



24 Hours real-time management



BD Cloud Intelligent management system is equipped with high temperature alarm, over-pressure alarm, and other warning functions

Intelligent EPM VSD Screw Air Compressor

EPM Series

- High-efficiency PM synchronous motor that saves approximately 6-7% energy, compared with three-phase asynchronous motor.
- Latest air end, one-shaft structure make it more compact, stable with improved efficiency.
- PM VSD air compressor saves energy up to 42%, due to the intelligent inverter technology.
- The EPM Series holds numerous patents.
- B&D cloud digital management system



Technical Parameter of EPM Series

Model		Mpa	BD-7.5EPM	BD-11EPM	BD-15EPM	BD-22EPM	BD-30EPM	BD-37EPM	BD-45EPM	BD-55EPM	
Air capacity (m3/min)/ Air discharge pressure		0.7/0.6-0.8	0.54~1.35	0.72~1.8	1.04~2.6	1.52~3.8	2.08~5.2	2.72~6.0	3.36~7.7	4.4~11.0	
		1/0.8-1	0.41~1.03	0.54~1.34	0.83~2.07	1.28~3.21	1.78~4.45	2.28~5.2	2.9~7.24	3.56~8.9	
		1.25/1-1.25	0.33~0.83	0.41~1.03	0.7~1.76	1.12~2.79	1.57~3.93	2.03~5.07	2.48~6.21	3.14~7.86	
Ambient temperature		℃	-5~+40℃								
Cooling mode			Air-cooling			Air or Water-cooling					
Air discharge temperature		℃	≤Ambient temperature+10℃ < 40℃								
Lubricant			4	9		16	20	30	55		
Noise		dB(A)	62±2		65±2					68±2	
Driven mode			Permanent magnet synchronous								
Power supply			220V/380V/415/3ph/50Hz/60Hz								
Power		KW	7.5	11	15	22	30	37	45	55	
Starting mode			Variable frequency starting								
Dimension	Length	mm	900	1020		1250		1450	1600		
	Width	mm	600	710		800		900	1150		
	Height	mm	820	1020		1120		1250	1370		
Weight		kg	170	245	255	350	385	500	660	795	
Air outlet pipe diameter		inch	ZG½"	ZG1"		ZG1¼"		ZG1½"	ZG2"		

Model		Mpa	BD-75EPM	BD-90EPM	BD-110EPM	BD-132EPM	BD-160EPM	BD-185EPM	BD-220EPM	BD-250EPM
Air capacity (m3/min)/ Air discharge pressure		0.7/0.6-0.8	5.44~13.6	6.72~16.8	8.6~21.5	9.6~24	11.88~29.7	13.44~33.6	16.16~40.4	18.4~46
		1/0.8-1	4.8~12	5.63~14.07	7.12~17.79	8.48~21.21	10.14~25.34	11.59~28.97	13.32~33.31	15.64~39.1
		1.25/1-1.25	4.14~10.34	5.05~12.62	6.12~15.31	6.95~17.38	8.48~21.21	9.93~24.83	11.79~29.48	13.66~34.14
Ambient temperature		℃	-5~+40℃							
Cooling mode		Air or Water-cooling								
Air discharge temperature		℃	≤Ambient temperature+10℃ < 40℃							
Lubricant		L	65		90		120		144	
Noise		dB(A)	68±2		75±2				78±2	
Driven mode		Permanent magnet synchronous								
Power supply		220V/380V/415/3ph/50Hz/60Hz								
Power		kW	75	90	110	132	160	185	220	250
Starting mode		≤Ambient temperature+10℃ < 40℃								
Dimension	Length	mm	1800	1900	2200		3184		3684	
	Width	mm	1250	1250	1550		2034		2306	
	Height	mm	1550	1650	1800		2000		2440	
Weight		kg	1100	1280	2800	2900	3900	4200	4600	5000
Air outlet pipe diameter		inch	ZG2"		DN80		DN100		DN125	

