

PESS56C2M-2

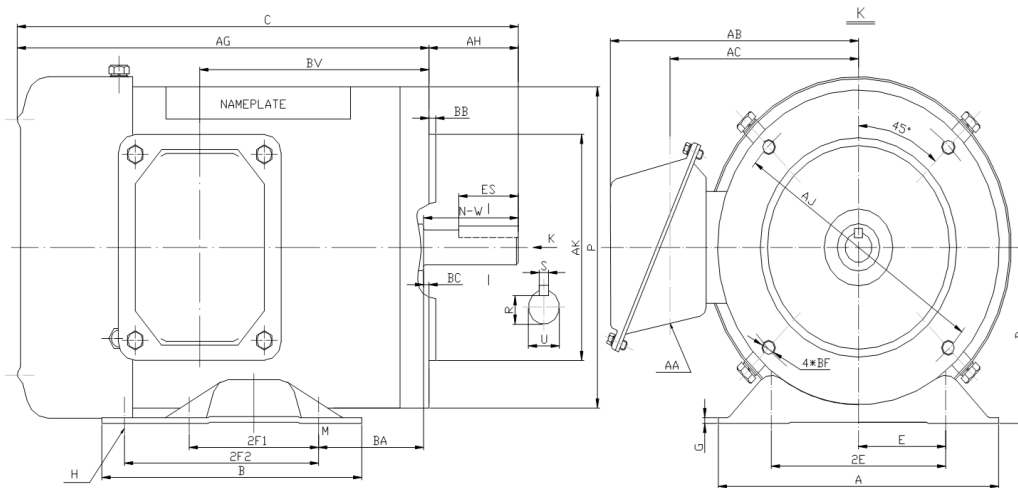
WASHDOWN DUTY MOTOR

NEMA PREMIUM EFFICIENCY

STAINLESS STEEL CONSTRUCTION - C-FLANGE WITH FEET

TOTALLY ENCLOSED FAN COOLED - IP66 CONSTRUCTION

INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31



DIMENSIONS

HP	RPM	Frame	Mounting													
			A	B	C	D	G	H	E	2E	2F1	2F2	P	AK	AJ	AH
2	3600	56C	6.50	6.50	13.75	3.50	0.12	1.22*0.34	2.44	4.88	3.00	5.00	6.50	4.500	5.875	2.06

Mounting					Shaft Extension, Key Set					Conduit Box				Bearings		Mount
AG	BA	BB	BC	BF	U	R	S	ES	N-W	AA	AB	AC	BV	DE	ODE	
11.69	2.75	0.16	-0.19	4*3/8-16	0.625	0.517	0.188	1.41	1.88	0.86	5.75	4.25	7.50	6205-2RS	6205-2RS	F1

BEARING LUBRICATION: The bearings come lubricated with Mobil Polyrex EM Polyurea Grease.



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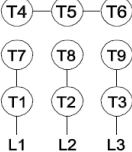
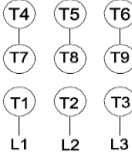
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
2	3480	56C	208-230/460	60	1.15	F	B	3.3	K	TEFC	66	40° C

Amps (460V)		Efficiency (%)				Power Factor			Torque (ft-lb)			DE Bearing	ODE Bearing	Connection	Weight (lbs.)
FLA	LRA	100%	75%	50%	Min.	100%	75%	50%	FLT	LRT %	BDT %				
2.4	25.0	85.5	79.0	75.0	82.5	0.90	0.85	0.78	2.9	285	300	6205-2RS	6205-2RS	9 Lead 2Y/Y	45

NAME PLATE

 North American Electric, Inc. 										CONNECTION DIAGRAMS	
INVERTER DUTY 20:1 VT; 10:1 CT WASHDOWN DUTY STAINLESS STEEL MOTORS											
CAT NO: PESS56C2M-2				FRAME 56C				PHASE 3		208-230V 	
HZ 60		S.F. 1.15		HZ 50		S.F. 1.00		ENCL TEFC IP 66			
HP 2		RPM 3480		HP 2		RPM 2870		DUTY CONT DES B			
VOLTS 208-230/460				VOLTS 190/380		AMB 40° C		INS F			
FLA 4.9 - 4.8 / 2.4				FLA 5.8/2.9		DE BEARING 6205-2RS					
CODE K		P.F. 0.90		CODE K		P.F. 0.91		ODE BEARING 6205-2RS			
EFF 85.5		MIN 82.5		EFF 82.5		MIN 79.5		LUB: Mobil Polyrex EM			
MOTOR WEIGHT 45 LBS				CONNECTION 9 Lead 2Y/Y				SER NO			
Special purpose motor designed for washdown applications and extremely corrosive environments.  CC 082A Hernando, Mississippi											
460V 											

APPLICATIONS:

Applications include washdown applications, food processing, chemical processing, pharmaceuticals, poultry processing, meat processing, dairy applications, bakeries, snack foods, bottling and extremely corrosive environments.