

PESS182TC3M-2

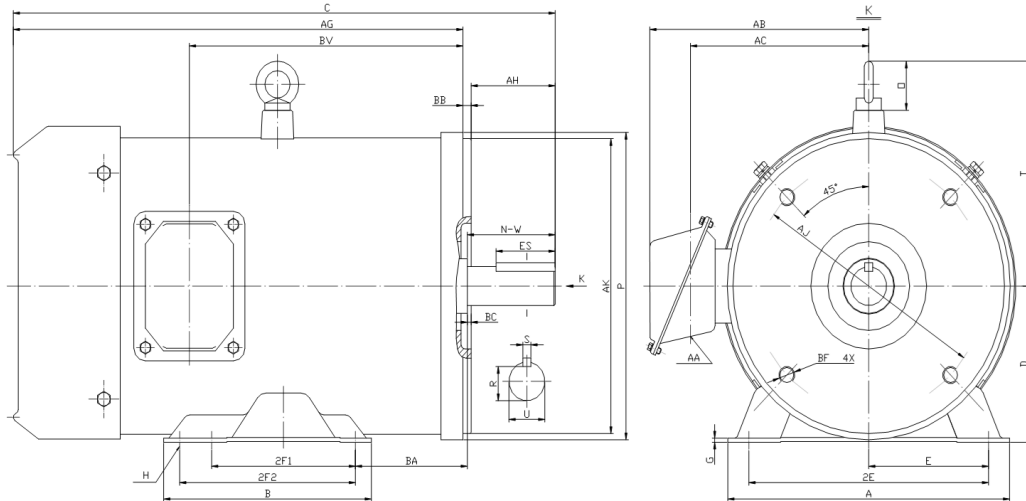
WASHDOWN DUTY MOTOR

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
3	3600	182TC	8.80	6.50	17.00	4.50	0.12	0.71*0.47	3.75	7.50	4.50	5.50	8.85	8.500	7.250	2.62

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	
14.13	3.50	0.25	0.12	4*1/2-13	1.125	0.986	0.250	1.78	2.75	0.94	7.00	5.30	8.60	6308-2RS	6306-2RS	F1

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



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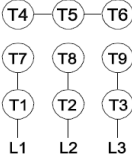
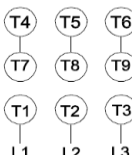
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
3	3510	182TC	208-230/460	60	1.15	F	B	2.5	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 %	6308-2RS	6306-2RS	9 Lead 2Y/Y	77
4.1	32.0	86.5	87.0	86.0	84.0	0.89	0.75	0.63	4.4	270	290				

NAME PLATE

 North American Electric, Inc.																					
INVERTER DUTY 20:1 VT; 10:1 CT										WASHDOWN DUTY STAINLESS STEEL MOTORS				CONNECTION DIAGRAMS							
CAT NO: PESS182TC3M-2				FRAME 182TC				PHASE 3													
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 66											
HP 3		RPM 3510		HP 3		RPM 2930		DUTY CONT		DES B											
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C		INS F											
FLA 8.8 - 8.1 / 4.05				FLA 9/4.5				DE BEARING 6308-2RS													
CODE K		P.F. 0.89		CODE K		P.F. 0.91		ODE BEARING 6306-2RS													
EFF 86.5		MIN 84.0		EFF 84.0		MIN 81.5		LUB: Mobil Polyrex EM													
MOTOR WEIGHT 77 LBS				CONNECTION 9 Lead 2Y/Y				SER NO													
Special purpose motor designed for washdown applications and extremely corrosive environments.										ISO9001 CERTIFIED						CE		CS® US		CC 082A	
Hernando, Mississippi																					

APPLICATIONS:

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