

PESS143TC1M-4

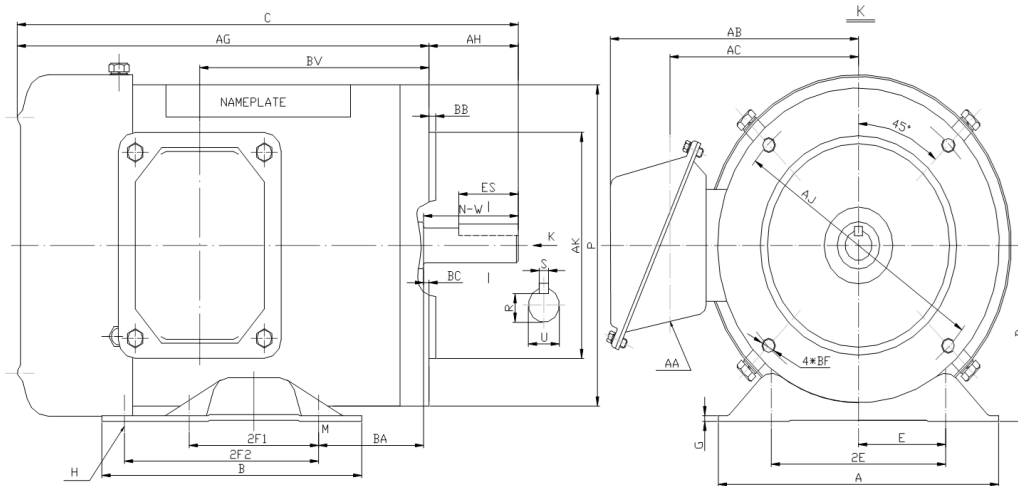
WASHDOWN DUTY MOTOR

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
1	1800	143TC	6.50	6.50	13.81	3.50	0.12	0.35	2.75	5.50	4.00	5.00	6.50	4.500	5.875	2.12

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	0.12	4*3/8-16	0.875	0.771	0.188	1.41	2.25	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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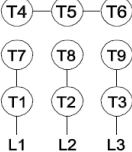
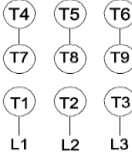
INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31

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
1	1740	143TC	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 %				
1.5	15.0	85.5	78.0	74.0	82.5	0.71	0.60	0.46	3.0	285	300	6205-2RS	6205-2RS	9 Lead 2Y/Y	37

NAME PLATE

 North American Electric, Inc.																				CONNECTION DIAGRAMS																																							
INVERTER DUTY 20:1 VT; 10:1 CT										WASHDOWN DUTY STAINLESS STEEL MOTORS																																																	
CAT NO: PESS143TC1M-4					FRAME 143TC					PHASE 3																																																	
HZ 60		S.F. 1.15			HZ 50		S.F. 1.00			ENCL TEFC		IP 66																																															
HP 1		RPM 1740			HP 1		RPM 1450			DUTY CONT		DES B																																															
VOLTS 208-230/460					VOLTS 190/380					AMB 40° C															INS F																																		
FLA 3.1 - 3 / 1.5					FLA 3.7/1.85					DE BEARING 6205-2RS																																																	
CODE K		P.F. 0.71			CODE K		P.F. 0.74			ODE BEARING 6205-2RS																																																	
EFF 85.5		MIN 82.5			EFF 82.5		MIN 79.5			LUB: Mobil Polyrex EM																																																	
MOTOR WEIGHT 37 LBS					CONNECTION 9 Lead 2Y/Y					SER NO																																																	
Special purpose motor designed for washdown applications and extremely corrosive environments.																																																											
Hernando, Mississippi																																																		CC 082A									

APPLICATIONS:

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