



Customer information packet

GNEM3665T

42M 4P TEFC HOR 184T SUPER E, IE3

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	184T
Frame Material	Iron
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 60 HZ 5.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	190.0 V @ 50 HZ 208.0 V @ 60 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ 460.0 V @ 60 HZ
Agency Approvals	WEEE UR UKCA NEMA_PREMIUM IE3 CURUS CSA CE
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	7.600 A @ 380.0 V 6.500 A @ 460.0 V

Part detail

Revision	K
Type	AC
Mech. spec.	06C101
Base	
Status	PRD/A
Elec. spec.	06WGW567
Layout	06LYC101
Eff. date	08-05-2024
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	12-14-2018

	15.200 A @ 190.0 V
	13.600 A @ 208.0 V
	13.000 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	90.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.5 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0642M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.24 IN
Power Factor	80
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN

Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1450 rpm
	1750 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP4304L									
CAT.NO.	GNEM3665T								
SPEC.	06C101W567G1								
HP	5/3.7KW					PH	3		
VOLTS	208-230/460//190/380								
AMPS	13.6-13/6.5//15.2/7.6								
R.P.M. (1/MIN)	1750//1450					WT.	52KG		KG
FRAME	184T		HZ	60//50		I.P.	44		
SER.F.	1.15	CODE	K	DES.	A	CLASS	F		
NOM.EFF.	90.2//88.6		% (100%)						
P.F.	80	IC411, 10:1 VT							
RATING	40C AMB-S1 CONT				CC	010A			
DE	6206		ODE	6205					
ENCL	TEFC	SN							
	IE3-50HZ 90.0 (75%),89.2 (50%)								
	IE3-60HZ 90.9 (75%),90.6 (50%)								

AC Induction Motor Performance Data

Record # 62293

Typical performance - not guaranteed values

Winding: 06WGW567-R084		Type: 0642M		Enclosure: TEFC				
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		5	Full Load Torque		14.89 LB-FT			
Volts		208-230/460//190/380	Start Configuration		direct on line			
Full Load Amps		13.6-13/6.5//15.2/7.6	Breakdown Torque		58.3 LB-FT			
R.P.M.		1750//1450	Pull-up Torque		25.18 LB-FT			
Hz		60//50	Phase	3	Locked-rotor Torque	41.3 LB-FT		
NEMA Design Code		B	KVA Code		K	Starting Current	54.8 A	
Service Factor (S.F.)		1.15		No-load Current		3.49 A		
NEMA Nom. Eff.		90.2	Power Factor		80	Line-line Res. @ 25°C		2.34 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		46°C		
S.F. Amps				Temp. Rise @ S.F. Load		56°C		
				Locked-rotor Power Factor		53		
				Rotor inertia		0.39 LB-FT2		

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	59	72	79	84	85	82
Efficiency	84.8	89.7	90.8	90.5	89.7	88.5	90
Speed	1790	1780	1770	1760	1748	1734	1753
Line amperes	3.78	4.46	5.43	6.52	7.81	9.27	7.29

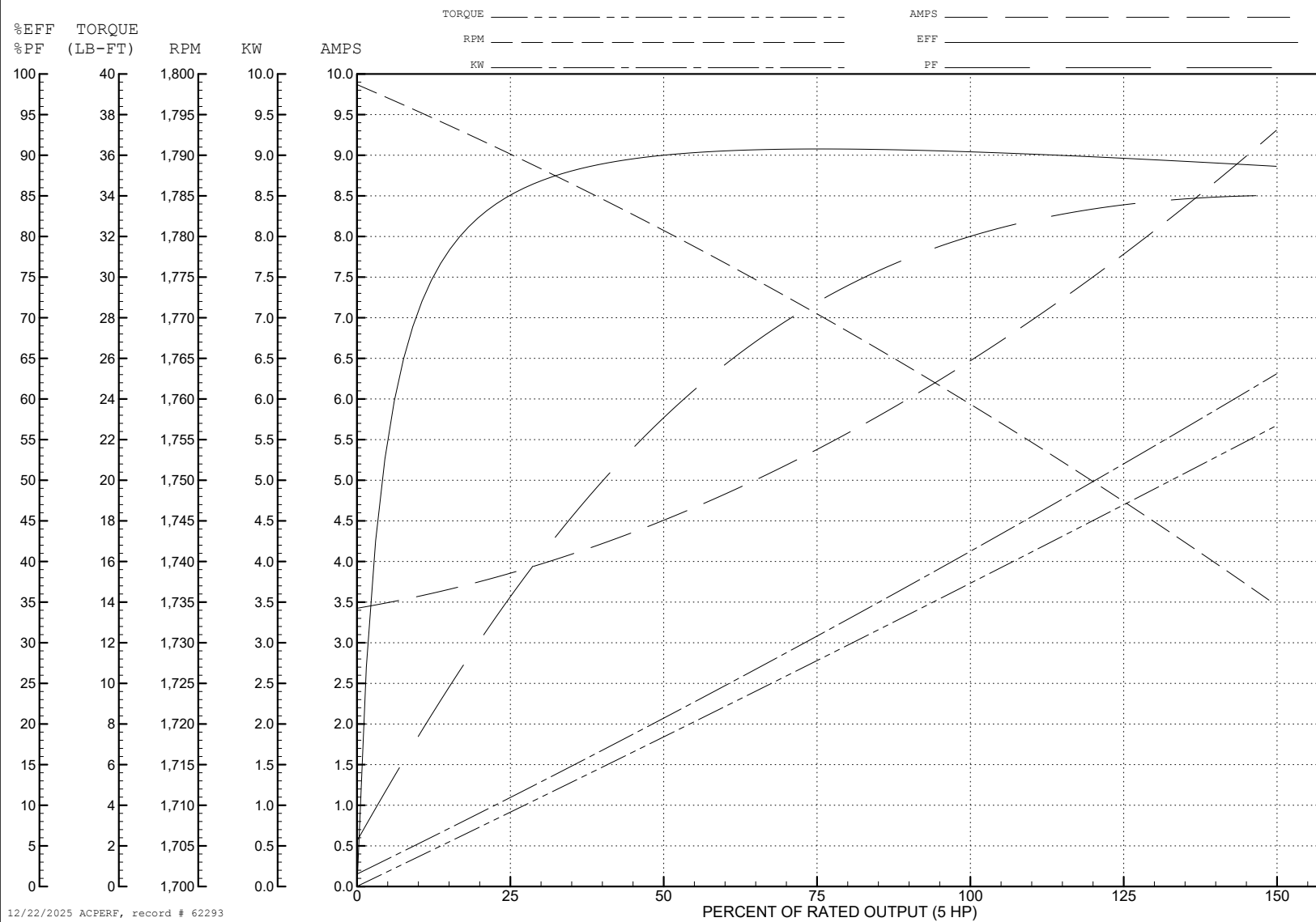
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WINDING # 06WGW567

Typical performance - not guaranteed values.

5 HP 3 PH 60 HZ 1760 RPM 460 V 0642M

TORQUES (LB-FT): PO=58.3 PU=25.18 LR=41.3 LRA=54.8



12/22/2025 ACPERF, record # 62293

AC Induction Motor Performance Data

Record # 82292

Typical performance - not guaranteed values

Winding: 05WGX571-R003			Type: 0526M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		1	Full Load Torque		4.479 LB-FT		
Volts		208-230/460	Start Configuration		direct on line		
Full Load Amps		3.5-3.4/1.7	Breakdown Torque		11.9 LB-FT		
R.P.M.		1155	Pull-up Torque		7.06 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		8.62 LB-FT	
NEMA Design Code		B	KVA Code		J	Starting Current	9.06 A
Service Factor (S.F.)		1.15	No-load Current		1.02 A		
NEMA Nom. Eff.		82.5	Power Factor		67	Line-line Res. @ 25°C	20.372 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		46°C
S.F. Amps					Temp. Rise @ S.F. Load		56°C
					Locked-rotor Power Factor		48.3

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	47	1	1	1	1	1
Efficiency	73.5	81.9	83.5	83.1	81.6	79.1	82.2
Speed	1192.5	1185.4	1177.6	1168.7	1159	1147	1163
Line amperes	1.07	1.21	1.41	1.67	1.98	2.35	1.86

ABB Motors and Mechanical Inc.

WINDING # 05WGX571

Typical performance - not guaranteed values.

1 HP 3 PH 60 HZ 1155 RPM 460 V 0526M

TORQUES (LB-FT): PO=11.9 PU=7.06 LR=8.62 LRA=9.06

