



Customer information packet

EMVM3611C

2.2KW, 1760RPM, 3PH, 60HZ, D100C, 3632M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	D100C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	2.200 KW @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV CE
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.200 A @ 460.0 V 8.400 A @ 230.0 V 9.000 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D
Front Face Code	Standard
Front Shaft Indicator	None

Part detail

Revision	M
Type	AC
Mech. spec.	36H178
Base	
Status	PRD/A
Elec. spec.	36WGS266
Layout	36LYH178
Eff. date	05-01-2024
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	05-11-2015

Heater Indicator	No Heater
High Voltage Full Load Amps	4.2 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3632M
Mounting Arrangement	B14
Number of Poles	4
Overall Length	15.88 IN
Power Factor	75
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.103 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1760 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
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Nameplate

NP2672L						
CAT.NO.	EMVM3611C					
SPEC.	36H178S266G1					
IEC FRAME	D100C	KW	2.2			
VOLTS	230/460					
AMP	8.4/4.2					
RPM	1760		ENCL		TEFC	
HZ	60	PH	3	CL	F	
SER.F.	1.15	DES	B	CODE	K	
NEMA-NOM-EFF	89.5	I.P.	54			
RATING	40C AMB-CONT					
CC	010A	USABLE AT 208V				N/A
DE	6206	ODE	6205			
SER. #						

AC Induction Motor Performance Data

Record # 57403

Typical performance - not guaranteed values

Winding: 36WGS266-R056			Type: 3632M	Enclosure: XPFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (KW)		2.2	Full Load Torque		8.66 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		8.4/4.2	Breakdown Torque		37.6 LB-FT		
R.P.M.		1760	Pull-up Torque		15.2 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		21.7 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		32.7 A
Service Factor (S.F.)		1.15		No-load Current		2.3 A	
NEMA Nom. Eff.		89.5	Power Factor	75	Line-line Res. @ 25°C		3.81 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		43°C	
S.F. Amps				Temp. Rise @ S.F. Load		52°C	
				Locked-rotor Power Factor		42.2	
				Rotor inertia		0.298 LB-FT2	

Load Characteristics 460 V, 60 Hz, 2.2 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	54	68	75	80	82	77
Efficiency	80.9	87.8	89.6	89.8	89.6	88	89.2
Speed	1791	1783	1773	1764	1754	1742	1755
Line amperes	2.46	2.83	3.4	4.05	4.83	5.69	4.63

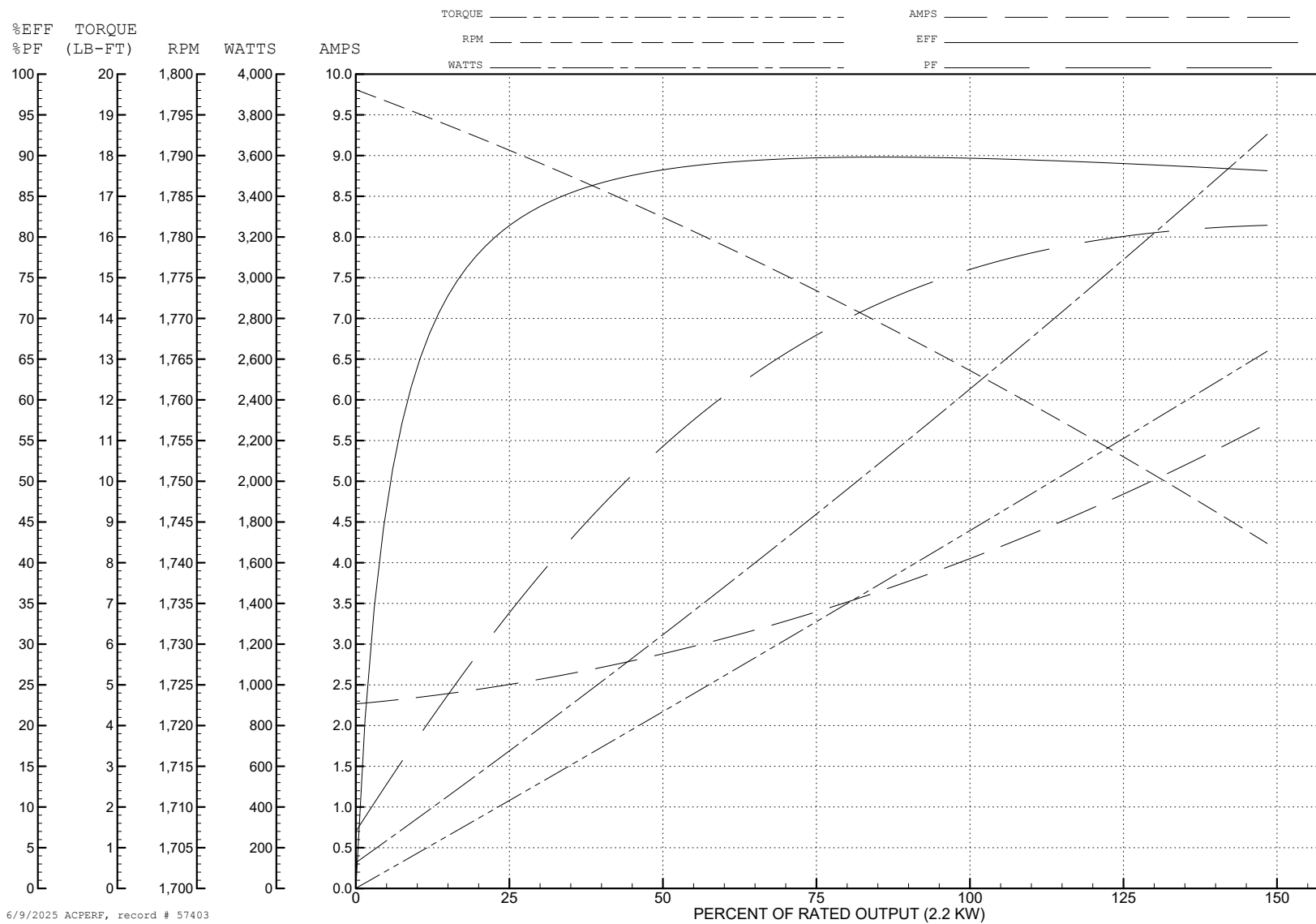
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WINDING # 36WGS266

Typical performance - not guaranteed values.

2.2 KW 3 PH 60 HZ 1760 RPM 460 V 3632M

TORQUES (LB-FT): PO=37.6 PU=15.2 LR=21.7 LRA=32.7



AC Induction Motor Performance Data

Record # 83706

Typical performance - not guaranteed values

Winding: 36WGS266-R056			Type: 3632M		Enclosure: XPFC		
Nameplate Data			400 V, 50 Hz: High Voltage Connection				
Rated Output (KW)		2.2	Full Load Torque		10.43 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		8.4/4.2	Breakdown Torque		39.64 LB-FT		
R.P.M.		1760	Pull-up Torque		17.5 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		24.98 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		33.55 A
Service Factor (S.F.)		1.15	No-load Current		2.53 A		
NEMA Nom. Eff.		89.5	Power Factor	75	Line-line Res. @ 25°C		3.81 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		54°C
S.F. Amps					Temp. Rise @ S.F. Load		66°C
					Locked-rotor Power Factor		42.2
					Rotor inertia		0.298 lb-ft²

Load Characteristics 400 V, 50 Hz, 2.2 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	56	70	76	81	83	79
Efficiency	81.2	87.4	88.8	88.5	87.8	85.7	88.1
Speed	1490	1481	1471	1461	1449	1435	1454
Line amperes	2.71	3.15	3.84	4.62	5.58	6.65	5.2

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WINDING # 36WGS266

Typical performance - not guaranteed values.

2.2 KW 3 PH 50 HZ 1760 RPM 400 V 3632M

TORQUES (LB-FT) : PO=39.64 PU=17.5 LR=24.98 LRA=33.55

