



Product Information Packet

JM3158

3HP,3450RPM,3PH,60HZ,56J,3524M,ODTF,F1

Part Detail

Revision:	AD	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGR286	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35E065	Layout:	35LYE065	Poles:	02	Created Date:	06-21-2007
Base:	N	Eff. Date:	06-19-2018	Leads:	9#18		

Specs

Catalog Number:	JM3158	Heater Indicator:	No Heater
Enclosure:	ODTF	Insulation Class:	B
Frame:	56J	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	K
Motor Letter Type:	Three Phase	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	3.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	208.0 V @ 60 HZ	Motor Type:	3524M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	87
Agency Approvals:	CSA	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Ext Thread
Base Indicator:	No Mounting	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	8.500 A @ 208.0 V	Shaft Rotation:	Reversible
	8.000 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
	4.000 A @ 460.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Drip Cover Mounting	Winding Thermal 1:	None
Front Shaft Indicator:	None	Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	JM3158											
SPEC.	35E065R286											
HP	3											
VOLTS	208-230/460											
AMP	8.5-8/4											
RPM	3450											
FRAME	56J				HZ		60			PH	3	
SER.F.	1.15			CODE		K	DES		B	CLASS		B
NEMA-NOM-EFF	80			PF		87						
RATING	40C AMB-CONT											
CC				USABLE AT 208V								8.5
DE	6205			ODE		6203						
ENCL	ODTF		SN									

AC Induction Motor Performance Data

Record # 8536

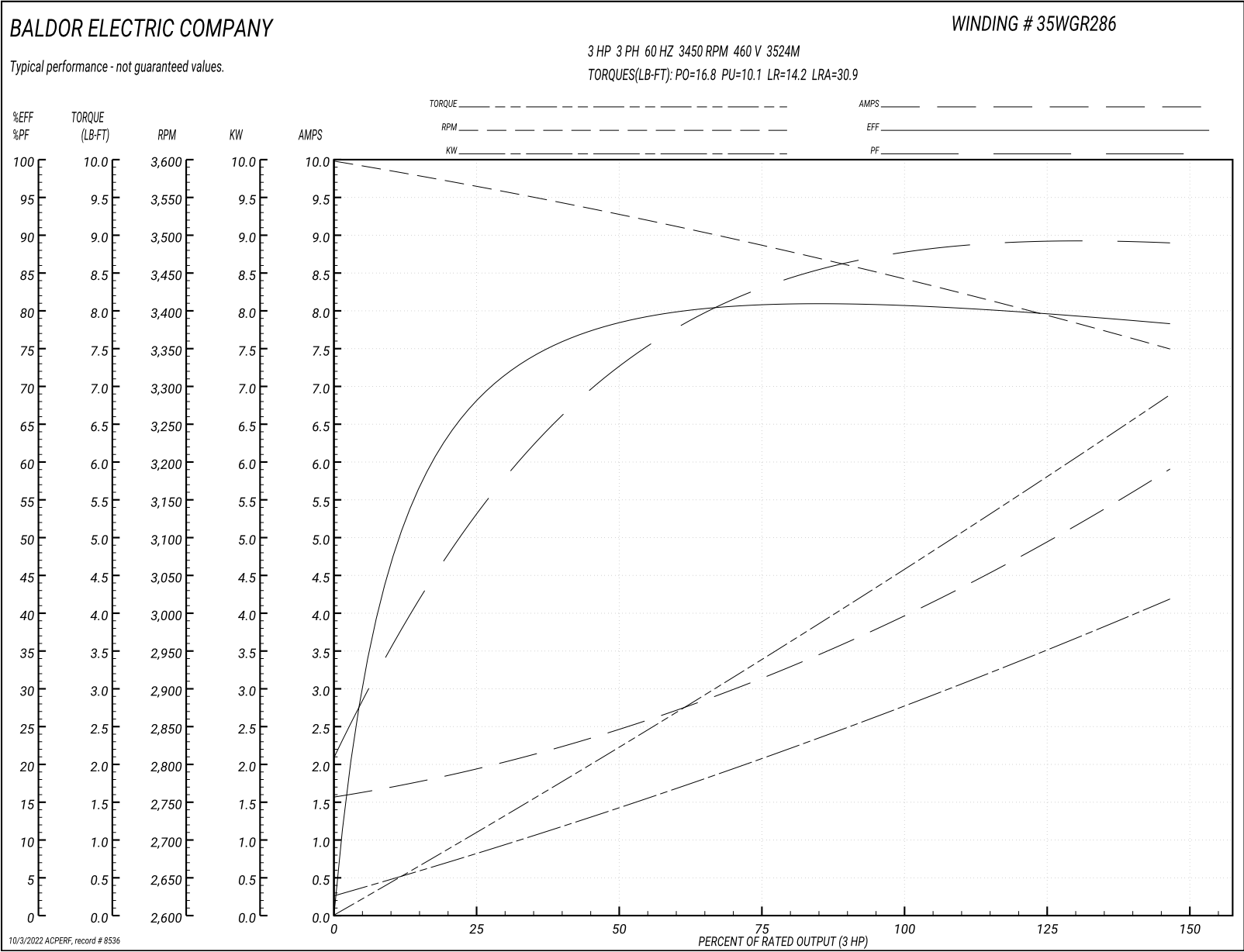
Typical performance - not guaranteed values

Winding: 35WGR286-R001			Type: 3524M		Enclosure: OPEN		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		3	Full Load Torque		4.6 LB-FT		
Volts		208-230/460	Start Configuration		direct on line		
Full Load Amps		8.5-8/4	Breakdown Torque		16.8 LB-FT		
R.P.M.		3450	Pull-up Torque		10.1 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		14.2 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		30.9 A
Service Factor (S.F.)		1.15		No-load Current		1.6 A	
NEMA Nom. Eff.		80	Power Factor	87	Line-line Res. @ 25°C		5.928 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		42°C	
S.F. Amps				Temp. Rise @ S.F. Load		50°C	
				Locked-rotor Power Factor		55	
				Rotor inertia		0.0664 LB-FT2	

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	74	83	87	89	89	88
Efficiency	68.6	78.2	80.7	81	79.9	78.1	80.3
Speed	3565	3520	3484	3444	3400	3346	3418
Line amperes	1.9	2.5	3.2	4	4.9	5.9	4.5

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 20324

Typical performance - not guaranteed values

Winding: 35WGR286-R002			Type: 3524M		Enclosure: OPEN	
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		3	Full Load Torque		4.6 LB-FT	
Volts		208-230/460	Start Configuration		direct on line	
Full Load Amps		8.5-8/4	Breakdown Torque		16.8 LB-FT	
R.P.M.		3450	Pull-up Torque		10.1 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque	14.2 LB-FT	
NEMA Design Code	B	KVA Code	K	Starting Current	30.9 A	
Service Factor (S.F.)		1.15	No-load Current		1.6 A	
NEMA Nom. Eff.	80	Power Factor	87	Line-line Res. @ 25°C	5.928 Ω	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		42°C	
S.F. Amps			Temp. Rise @ S.F. Load		50°C	
			Locked-rotor Power Factor		55	
			Rotor inertia		0.0664 LB-FT2	

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	74	83	87	89	89	88
Efficiency	68.6	78.2	80.7	81	79.9	78.1	80.3
Speed	3565	3520	3484	3444	3400	3346	3418
Line amperes	1.9	2.5	3.2	4	4.9	5.9	4.5

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values

