



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

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

Parts List		
Part Number	Description	Quantity
SA047478	SA 35E065R286	1.000 EA
RA042740	RA 35E065R286	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3209D00	MASTER ODE,203 BRG,.683SH,DRIP CVR	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3402A00	MASTER DE,205 BRG,OPEN,W/TIGHTSLEEVE	1.000 EA
35AD2000	AIR BAFFLE - GALVANNEAL	1.000 EA
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
35FH4006A02	DRIP COVER STAMPED, VERT., W/ PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
WD4100A10	465 NIAGARA PLUG (SO ELEC),FOR 1.093 DIA	1.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LB1009N	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE	1.000 EA
PK3088	MICROFOAM, 8"X"8 PERF. SHEETS 5,400/RL	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 8536 - Typical performance - not guaranteed values

Winding: 35WGR286-R001	Type: 3524M	Enclosure: OPEN
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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-FT ²

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

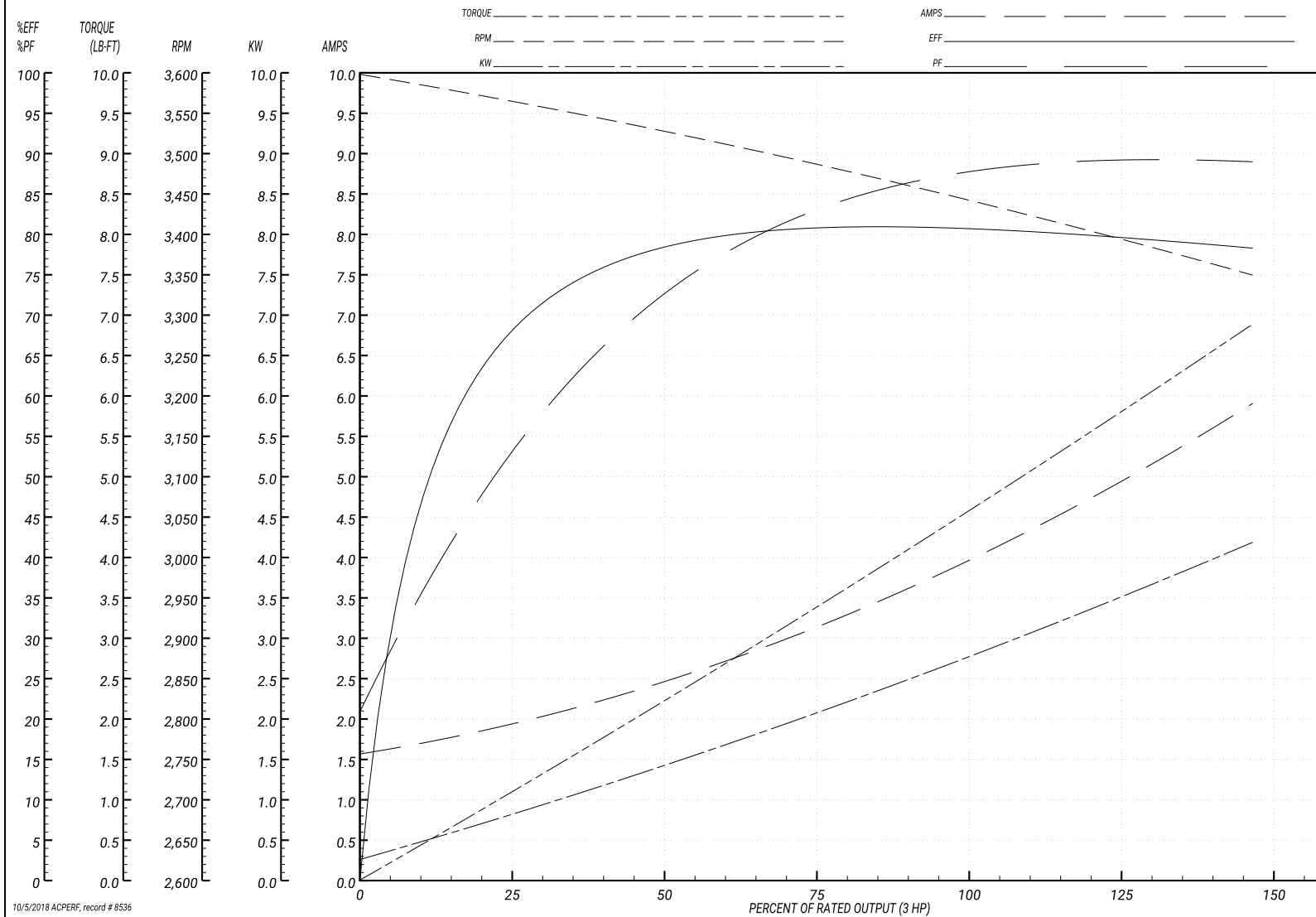
BALDOR ELECTRIC COMPANY

WINDING # 35WGR286

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 3450 RPM 460 V 3524M

TORQUES(LB-FT): PO=16.8 PU=10.1 LR=14.2 LRA=30.9



AC Induction Motor Performance Data

Record # 20324 - Typical performance - not guaranteed values

Winding: 35WGR286-R002	Type: 3524M	Enclosure: OPEN
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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-FT ²

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

