

BALDOR® • RELIANCE

Product Information Packet

VM7071T

2//1.5HP,3450//2850RPM,3PH,60//50HZ,145T

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3526M	Elec. Spec:	35WGT962	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	35E380	Layout:	35LYE380
Frame:	145TC	Mounting:	F1	Poles:	02	Created Date:	05-28-2010
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	08-12-2013
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1426XPSL						
NO.		CC	010A			
SER.						
SPEC.	35E380T962H2					
CAT.NO.	VM7071T					
HP	2//1.5	T. CODE	T3C			
VOLTS	230/460//190/380					
AMPS	5.2/2.6//4.8/2.4					
RPM	3450//2850					
HZ	60//50	PH	3	CL	B	
SER.F.	1.00	DES	B	CODE	L	
RATING	40C AMB-CONT					
FRAME	145TC	NEMA-NOM-EFF	84			
USABLE AT 208V	5.6	PF	88			
BLANK						

Parts List		
Part Number	Description	Quantity
SA197181	SA 35E380T962H2	1.000 EA
RA184615	RA 35E380T962H2	1.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
MJ5000A09	EFI KIT #1578 (400 ML CARTRIDGE OF EFI	0.050 EA
35CB3001A02SP	EXPL PROOF CONDUIT BOX, 3/4"PIPE TAP LEA	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
35EP3700A01SP	FR ENDPLATE, XPFC	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3702A01SP	PU EP-205 BRG-35X-56C-143-5TC	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
HA3013A01	1/2-20X5/8 SPL.HX BOLT	2.000 EA
HW3021C06	3/32 DI X .625 PIN (F/S)	2.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A01SP	IEC FH NO GREASER W/AUTOPHORETIC PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
NP0018	NP- XP CONDUIT BOX DO NOT MAKE SELLABLE	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
MG1025G29	MUNSELL 4.5Y 5.3/0.7 DARK CHARCOAL GREY	0.014 GA
HA3104A08	THRUBOLT-5/16-18X9.375 X X	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
NP1426XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA

AC Induction Motor Performance Data

Record # 9720 - Typical performance - not guaranteed values

Winding: 35WGT962-R010	Type: 3526M	Enclosure: XPFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2//1.5			Full Load Torque	3 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	5.2/2.6//4.8/2.4			Breakdown Torque	12.4 LB-FT
R.P.M.	3450//2850			Pull-up Torque	7.6 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	11 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	24.3 A
Service Factor (S.F.)	1			No-load Current	1.1 A
NEMA Nom. Eff.	84	Power Factor	88	Line-line Res. @ 25°C	7.86 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	47°C
				Rotor inertia	0.0712 LF ²

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	50	73	80	85	89	89
Efficiency	72.7	81.2	83.8	84.2	83.7	82.6
Speed	3563	3537	3507	3475	3440	3402
Line amperes	1.3	1.6	2.1	2.6	3.1	3.7

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values

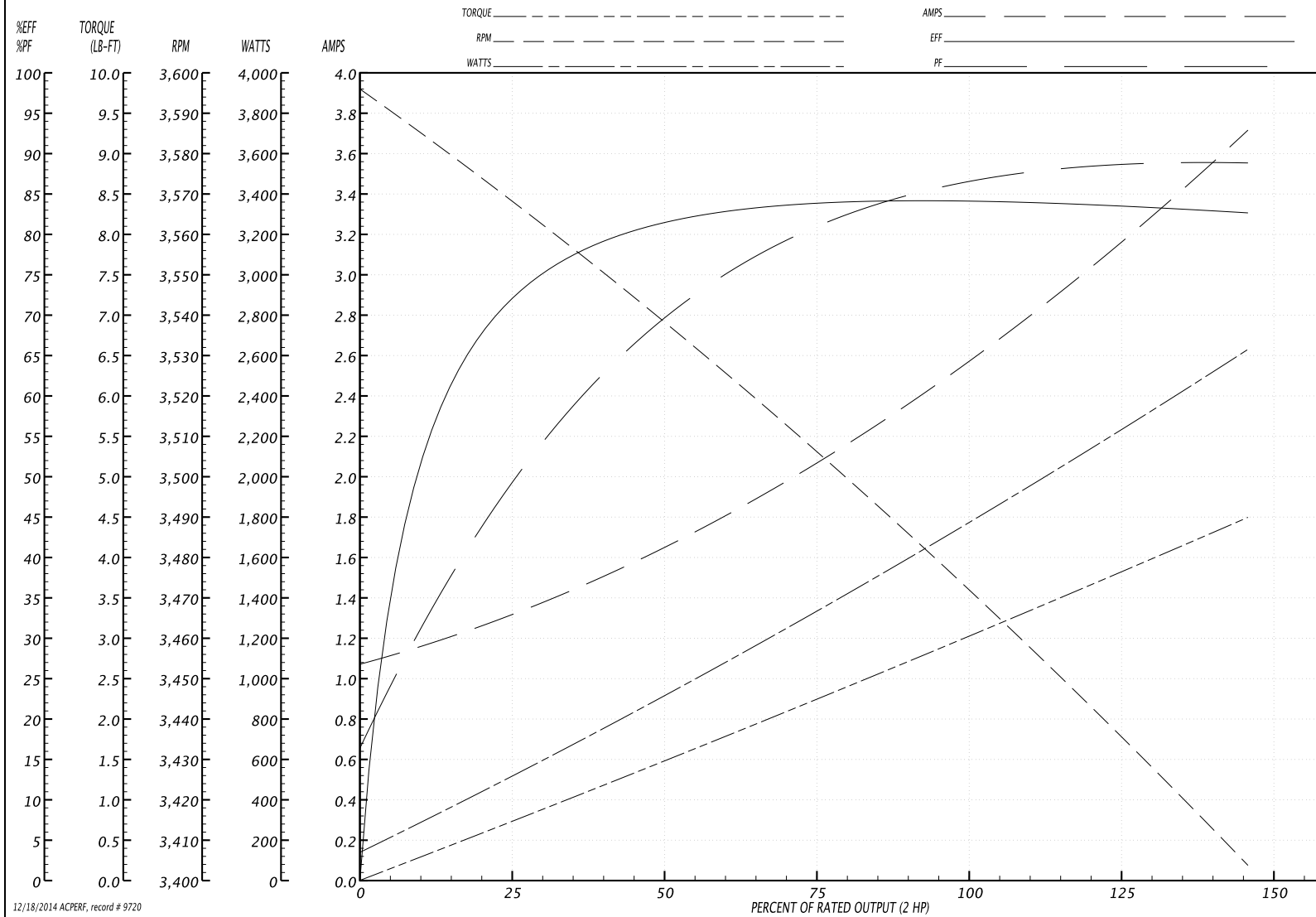
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Typical performance - not guaranteed values.

WINDING # 35WGT962

2 HP 3 PH 60 HZ 3475 RPM 460 V 3526M

TORQUES(LB-FT): PO=12.4 PU=7.6 LR=11 LRA=24.3



AC Induction Motor Performance Data

Record # 17861 - Typical performance - not guaranteed values

Winding: 35WGT962-R010	Type: 3526M	Enclosure: XPFC
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Nameplate Data				380 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	2//1.5			Full Load Torque	2.71 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	5.2/2.6//4.8/2.4			Breakdown Torque	11.4 LB-FT
R.P.M.	3450//2850			Pull-up Torque	7.82 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	11.3 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	22.7 A
Service Factor (S.F.)	1			No-load Current	1.09 A
NEMA Nom. Eff.	84	Power Factor	88	Line-line Res. @ 25°C	7.02 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	42°C
S.F. Amps				Temp. Rise @ S.F. Load	49°C
				Rotor inertia	0.0712 LF ²

Load Characteristics 380 V, 50 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	52	73	80	85	89	91
Efficiency	65.1	77.2	80.3	81.3	80.7	79.5
Speed	2965	2941	2914	2884	2852	2817
Line amperes	1.27	1.53	1.98	2.43	2.89	3.44

Performance Graph at 380V, 50Hz, 1.5HP Typical performance - Not guaranteed values

