

# **BALDOR**® • ***RELIANCE***

## **Product Information Packet**

# **EHM2524T**

**15HP, 1180RPM, 3PH, 60HZ, 284T, 4038M, OPSB, F1**

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	4038M	Elec. Spec:	40WGX775	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	40J098	Layout:	40LYJ098
Frame:	284T	Mounting:	F1	Poles:	06	Created Date:	10-22-2013
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-06-2017
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

<b>Nameplate NP2094E06B03</b>										
CAT.NO.	EHM2524T									
SPEC.	40J098X775G1									
HP	15									
VOLTS	230/460									
AMPS	41/20.5									
RPM	1180									
FRAME	284T			HZ 60			PH 3			
SER.F.	1.15		CODE	G		DES	B		CL	F
NEMA-NOM-EFF	91.7		PF	75						
RATING	40C AMB-CONT									
CC	010A			ODE			USABLE AT 208V 42			
DE	6311			ODE			6309			
AUTO				MANUAL			NONE			
ENCL	OPSB			SN						
BLANK										

Parts List		
Part Number	Description	Quantity
SA271171	SA 40J098X775G1	1.000 EA
RA257801	RA 40J098X775G1	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
40CB4000A01	CONDUIT BOX 40, STAMPED	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	2.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
40EP3200A02	STD FREP OPEN 309 BRG	1.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
40EP3200B31	PUEP OPEN 311 BRG W/SH GND MTG	1.000 EA
84XN0540J08	5-40 X 1/2" SHCS, BLACK OXIDE	2.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
39CB4500A01	CONDUIT BOX LID 39, STAMPED, W/ PRIMER	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	2.000 EA
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.070 GA
HA3154A03	STUD, 3/8-16 X 17.75	4.000 EA
40AD2002B01	LEXAN BAFFLE 40 FR OPEN	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
40AD2002B01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2094E06B03	NP LABEL W/BARCODE (PREM EFF HVAC MTR)	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA

**AC Induction Motor Performance Data**

Record # 30818 - Typical performance - not guaranteed values

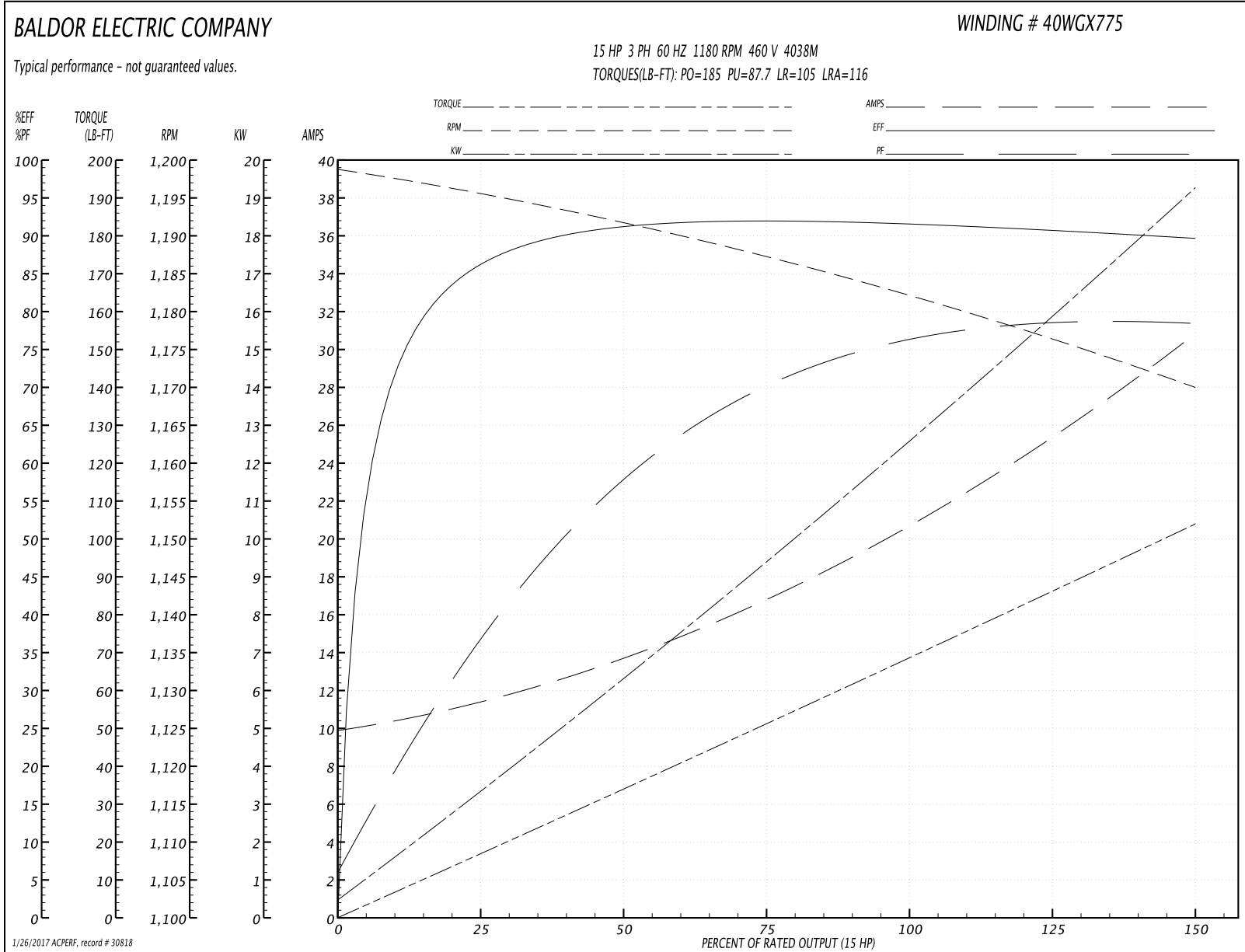
<b>Winding:</b> 40WGX775-R001	<b>Type:</b> 4038M	<b>Enclosure:</b> OPSB
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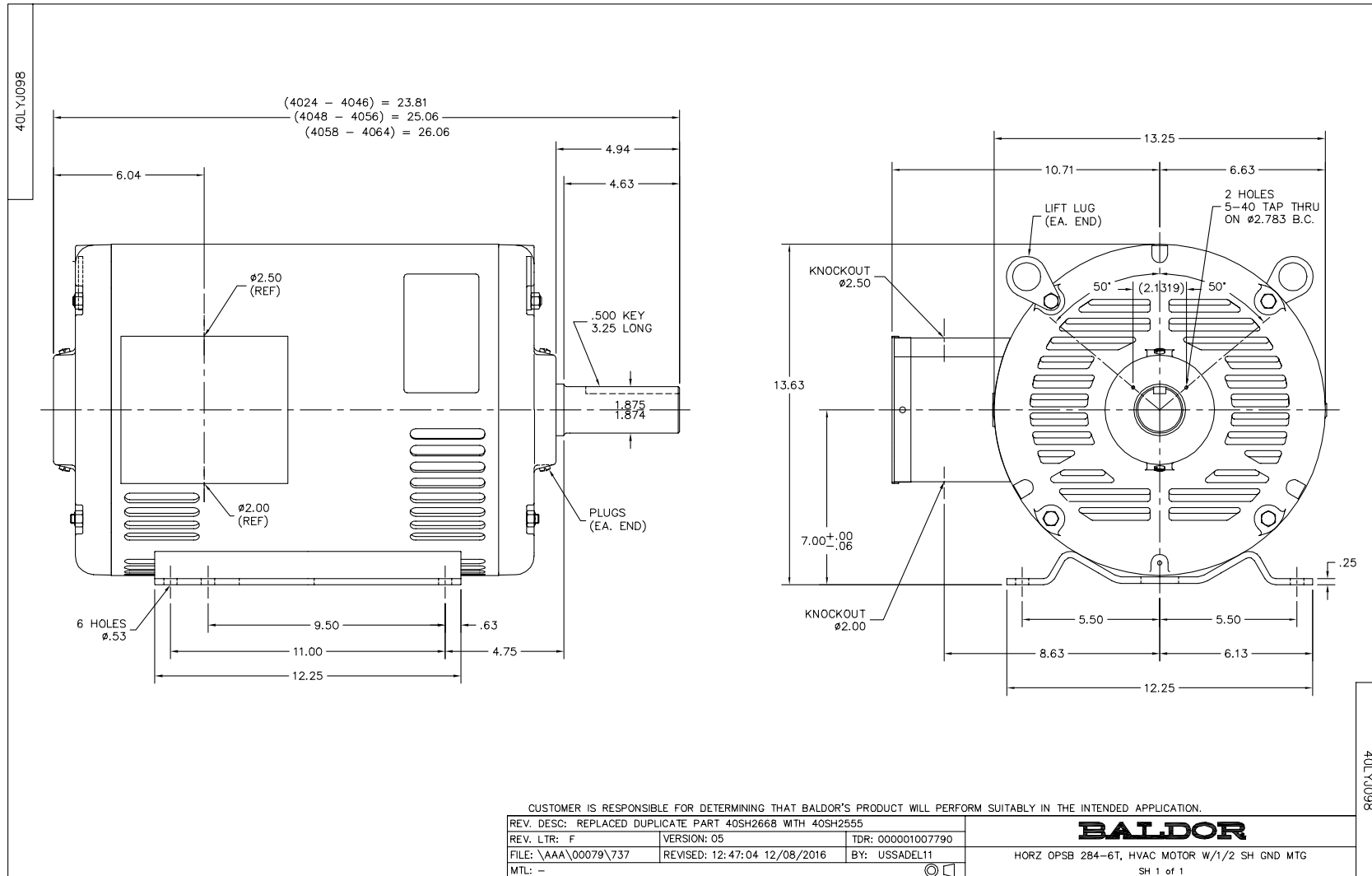
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15			Full Load Torque	66.8 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	41/20.5			Breakdown Torque	185 LB-FT
R.P.M.	1180			Pull-up Torque	87.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	105 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	116 A
Service Factor (S.F.)	1.15			No-load Current	10.1 A
NEMA Nom. Eff.	91.7	Power Factor	75	Line-line Res. @ 25°C	0.67748 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	26°C
S.F. Amps				Temp. Rise @ S.F. Load	31°C
				Locked-rotor Power Factor	34
				Rotor inertia	4.65 LB-FT <sup>2</sup>

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	58	69	75	78	79	77
Efficiency	85.5	90.7	91.8	91.8	91.2	89.9	91.4
Speed	1195.6	1191.7	1187.6	1182.8	1177.5	1169.8	1180
Line amperes	11.1	13.4	16.6	20.4	24.8	30.7	23

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values





CD0005



LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
9000D		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005