

# Baldor Commercial Duty Motors

CA453  
Effective Date:  
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**BALDOR**  
BALDOR • DODGE • RELIANCE

## Commercial Motors Limited Warranty

Baldor Electric Company and its employees are proud of our products and are committed to providing our customers and end users with the best designed and manufactured motors, drives and other Baldor products. This Limited Warranty and Service Policy describes Baldor's warranty and warranty procedures.

Comments and Questions: We welcome comments and questions regarding our products. Please contact us at:

Customer Service  
Baldor Electric Company  
P.O. Box 2400  
Fort Smith, Arkansas 72902  
Facsimile: 479-648-5791

or refer to a list of District Offices in your area.

**Scope of Warranty:** All Baldor commercial motors are warranted against defects in Baldor workmanship and materials.

**Warranty Period:** Baldor commercial motors are warranted for 18 months from the date of shipment to Baldor's customer from Baldor's district warehouse or, if applicable, from Baldor's factory. All warranty claims must be submitted to a Baldor Service Center prior to the expiration of the warranty period.

**Warranty Service Center Locations:** Warranty service is available for all Baldor products from Baldor's Customer Service Center in Fort Smith, Arkansas, and from Baldor Authorized Service Centers. A list of Baldor's Authorized Service Centers is available in catalog #505 from any Baldor District Office or by contacting us at the above location.

**Procedure to Receive Warranty Service:** Customers should take or ship prepaid the Baldor product requiring warranty service to a Baldor Authorized Service Center. Please include an explanation of the defect or problem, a description of the way in which the Baldor product is used, and your name, address and telephone number.

**Warranty Determinations by Other than a Baldor-Authorized Service Center:** Customers who are unable to take or ship the Baldor product to a Baldor Authorized Service Center, or who desire a warranty consideration by other than a Baldor Authorized Service Center, should contact the local Baldor District Office. Baldor must approve warranty considerations by anyone other than a Baldor Authorized Service Center in advance.

**Replacement Within the Scope of the Warranty:** If a Baldor product is defective due to Baldor workmanship or materials and the defect occurs during the warranty period, then Baldor will replace it with a new one. Baldor is not responsible for removal and shipping of the Baldor product to the service center, the reinstallation of the Baldor product upon its return to the customer, or any incidental or consequential damages resulting from the defect, removal, reinstallation, shipment or otherwise.

**Repairs Outside the Scope of the Warranty:** Problems with Baldor products can be due to improper maintenance, faulty installation, non-Baldor additions or modifications, or other problems not due to defects in Baldor workmanship or materials. If the Baldor Authorized Service Center determines that the problem with a Baldor product is not due to defects in Baldor workmanship or materials, then the customer will be responsible for the cost of any necessary repairs. Customers not satisfied with a determination that a problem is outside of warranty coverage should contact the Baldor District Office for further consideration.

**Intended Use:** Baldor commercial motors are designed for commercial and residential use rather than industrial use.

**Product Specifications:** All product specifications, applications and other information provided in Baldor's catalog and publications are subject to correction and change without notice and should be confirmed with the Baldor District Office prior to ordering.

**Extended Warranties:** Extended warranties are available for certain Baldor products. These warranties are described in Baldor's catalog and other sales literature. Extended warranties are subject to the terms and procedures of this Limited Warranty and Service Policy as modified by the additional terms of the extended warranty.

**No Other Warranties and Liability Limitation:** This Limited Warranty and Service Policy represents Baldor's sole and exclusive warranty obligation with respect to Baldor products. Baldor's liability to a customer or any other person shall not exceed the Baldor's sales price of the applicable Baldor product. **BALDOR DISCLAIMS ALL OTHER EXPRESS AND IMPLIED WARRANTIES INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY.**

Baldor has made every effort to make this catalog complete and accurate as of the time of printing. Since products are continuously being improved, all data is subject to change or correction. The data presented here is for general information to provide an overview of Baldor's capabilities. For specific applications, installation and operating instructions, certified dimensions, capabilities and performance data, and pricing and availability, contact your Baldor District Sales Office.

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**Jet Pump,  
Single Phase, Open**



**1/4 thru 3 Hp**

**NEMA 56C and 56J**

**Applications:** Commercial, residential and swimming pool pumps, etc.

**Features:** 40°C ambient, 60 Hertz, aluminum endplates, automatic thermal overloads, ball bearings, capacitor start (single phase), high service factors, ground screw and shaft slinger. Termination panel with quick connection for easier installation. Class B insulation.

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	S.F.	Notes (a)
<b>Stainless Steel Threaded Shaft, 56J, Footless</b>											
1/4	1800	56J	JL145A	192	C1	11.58	20	115/230	2.2	1.35	30
1/3	3600	56J	JL225A	188	C1	11.83	21	115/230	2.8	1.75	30
	1800	56J	JL245A	223	C1	11.58	24	115/230	2.7	1.35	30
1/2	3600	56J	JL325A	208	C1	13.08	24	115/230	3.3	1.60	30
	1800	56J	JL345A	255	C1	13.08	22	115/230	3.6	1.25	30
3/4	3600	56J	JL425A	237	C1	13.08	24	115/230	4.6	1.50	30
	1800	56J	JL445A	285	C1	13.58	25	115/230	5.3	1.25	30
1	3600	56J	JL525A	269	C1	13.58	25	115/230	7.6	1.40	30
	1800	56J	JL545A	336	C1	12.84	31	115/230	6.7	1.15	30
1 1/2	3600	56J	JL625A	325	C1	13.84	42	115/230	9	1.30	30
2	3600	56J	JL725A	391	C1	13.84	44	115/230	13	1.20	30
3	3600	56J	JL825A	448	C1	14.72	52	230	13	1.15	
<b>Keyed Shaft, 56C, Footless</b>											
1/4	1800	56C	VL145A	186	C1	11.08	21	115/230	2.2	1.35	30
1/3	3600	56C	VL225A	180	C1	11.33	19	115/230	2.8	1.75	30
	1800	56C	VL245A	217	C1	11.08	24	115/230	2.7	1.35	30
1/2	3600	56C	VL325A	204	C1	12.58	22	115/230	3.3	1.60	30
	1800	56C	VL345A	249	C1	12.58	23	115/230	3.6	1.25	30
3/4	3600	56C	VL425A	232	C1	12.58	26	115/230	4.6	1.50	30
	1800	56C	VL445A	276	C1	13.08	26	115/230	5.3	1.25	30
1	3600	56C	VL525A	259	C1	13.08	28	115/230	7.6	1.40	30
	1800	56C	VL545A	318	C1	11.69	34	115/230	6.7	1.15	30
1 1/2	3600	56C	VL625A	304	C1	12.69	38	115/230	9	1.30	30
2	3600	56C	VL725A	366	C1	12.69	41	115/230	13	1.20	30
3	3600	56C	VL825A	421	C1	13.57	53	230	13	1.15	
<b>Stainless Steel Threaded Shaft, 56J, Foot Mounted</b>											
1/3	3600	56J	CJL225A	196	C1	11.83	21	115/230	2.3	1.75	30
	1800	56J	CJL245A	233	C1	11.58	26	115/230	2.7	1.35	30
1/2	3600	56J	CJL325A	219	C1	13.08	22	115/230	3.3	1.60	30
	1800	56J	CJL345A	264	C1	13.08	22	115/230	3.6	1.25	30
3/4	3600	56J	CJL425A	257	C1	13.08	23	115/230	5.1	1.50	30
1	3600	56J	CJL525A	281	C1	13.58	24	115/230	7.6	1.40	30

(a) See notes on pages 11.

Data subject to change without notice. Contact Baldor for certified data.

## Jet Pump, Single Phase, TEFC

1/2 thru 1 Hp

NEMA 56J



**Applications:** Commercial, residential and swimming pool pumps, etc.

**Features:** 40°C ambient, 60 Hertz, aluminum endplates, automatic thermal overloads, ball bearings, capacitor start (single phase), high service factors, ground screw and shaft slinger. Termination panel with quick connection for easier installation. Class B insulation.

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	S.F.	Notes (a)
<b>Stainless Steel Threaded Shaft, Footless</b>											
1/3	3600	56J	<b>JL2250A</b>	188	C1	12.50	24	115/230	2.6	1.75	30
	1800	56J	<b>JL2450A</b>	223	C1	12.50	26	115/230	3.1	1.35	30
1/2	3600	56J	<b>JL3250A</b>	208	C1	13.38	26	115/230	3.6	1.60	30
	1800	56J	<b>JL3450A</b>	255	C1	13.38	26	115/230	4.2	1.25	30
3/4	3600	56J	<b>JL4250A</b>	237	C1	13.08	24	115/230	4.6	1.50	30
<b>Stainless Steel Threaded Shaft, Foot Mounted</b>											
1/3	1800	56J	<b>CJL2450A</b>	223	C1	12.50	18	115/230	3.1	1.35	30
1/2	1800	56J	<b>CJL3450A</b>	255	C1	12.50	26	115/230	4.2	1.25	30

(a) See notes on pages 11.

Data subject to change without notice. Contact Baldor for certified data.

## Two Compartment Jet Pump, Single Phase, Open

1/4 thru 1 Hp

NEMA 56C and 56J



**Applications:** Swimming pool pumps, spa, and hot tub pumps.

**Features:** 50°C ambient, 60 Hertz, aluminum endplates, automatic thermal overloads, ball bearings, capacitor start (single phase), high service factors, ground screw and shaft slinger. Two-compartment design for easier maintenance. Termination panel with quick connection for easier installation. Class B insulation.

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	S.F.	Notes (a)
<b>Stainless Steel Threaded Shaft, 56J, Footless</b>											
1/4	1800	56J	<b>J2L145A</b>	204	C1	13.59	21	115/230	2.2	1.35	30
1/3	3600	56J	<b>J2L225A</b>	196	C1	13.59	21	115/230	2.8	1.75	30
1/2	3600	56J	<b>J2L325A</b>	220	C1	14.84	23	115/230	3.3	1.60	30
	1800	56J	<b>J2L345A</b>	269	C1	14.84	26	115/230	3.6	1.25	30
3/4	3600	56J	<b>J2L425A</b>	250	C1	14.84	26	115/230	4.6	1.50	30
	1800	56J	<b>J2L445A</b>	300	C1	15.34	33	115/230	5.3	1.25	30
1	3600	56J	<b>J2L525A</b>	282	C1	15.34	33	115/230	7.6	1.40	30
<b>Keyed Shaft, 56C, Footless</b>											
1/4	1800	56C	<b>V2L145A</b>	195	C1	13.10	20	115/230	2.2	1.35	30
1/3	3600	56C	<b>V2L225A</b>	190	C1	13.10	21	115/230	2.8	1.75	30
	1800	56C	<b>V2L245A</b>	227	C1	13.10	23	115/230	2.7	1.35	30
1/2	3600	56C	<b>V2L325A</b>	214	C1	14.35	24	115/230	3.3	1.60	30
	1800	56C	<b>V2L345A</b>	259	C1	14.35	26	115/230	3.6	1.25	30
3/4	3600	56C	<b>V2L425A</b>	243	C1	14.35	26	115/230	4.6	1.50	30
	1800	56C	<b>V2L445A</b>	291	C1	14.85	39	115/230	5.3	1.25	30
1	3600	56C	<b>V2L525A</b>	273	C1	14.85	34	115/230	7.6	1.40	30

(a) See notes on pages 11.

Data subject to change without notice. Contact Baldor for certified data.

**Jet Pump,  
Three Phase,  
TEFC, C-Face**

**1/2 thru 3 Hp**

**NEMA 56J**

**Applications:** Residential and industrial pumps, swimming pool pumps, etc.



**Features:** Diecast aluminum end plates with machined steel bearing seat insert.

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Stainless Steel Threaded Shaft, Footless</b>											
1/3	3600	56J	<b>JM2250</b>	216	K	10.65	16	66	230	1.5	30
	1800	56J	<b>JM2450</b>	238	K	10.65	18	68	230	1.4	30
1/2	3600	56J	<b>JM3250</b>	227	K	10.65	18	70	230	2	30
	1800	56J	<b>JM3450</b>	282	K	10.65	20	72	230	2	30
3/4	3600	56J	<b>JM4250</b>	236	K	10.90	24	77	230	2.6	30
	1800	56J	<b>JM4450</b>	270	K	11.28	25	72	208-230	2.8	30
1	3600	56J	<b>JM5250</b>	300	K	12.03	24	80	230	3.2	30
	1800	56J	<b>JM5450</b>	319	K	12.03	25	78.5	208-230	3.6	30
<b>Stainless Steel Threaded Shaft, Foot Mounted</b>											
1/2	1800	56J	<b>CJM3450</b>	293	K	11.87	20	72	230	2	30
		56J	<b>CJM3538</b>	365	K	11.84	23	74	230/460	1	30
3/4	1800	56J	<b>CJM3542</b>	387	K	11.84	26	75.5	208-230/460	1.5	
		56J	<b>CJM4450</b>	278	K	12.50	25	72	208-230	2.9	
1	3600	56J	<b>CJM3545</b>	398	K	11.98	30	77	230/460	1.7	19

(a) See notes on pages 11.

**PSC - Square Flange  
Switchless Design,  
Single Phase, Open**

**1/3 thru 2 Hp**

**NEMA 56YZ**

**Applications:** Commercial, residential and swimming pool pumps, etc.



**Features:** 40°C ambient, 60 Hertz, aluminum endplates, automatic thermal overloads, ball bearings, capacitor start (single phase), high service factors, ground screw and shaft slinger. Ground screw in lead-end endplate. Termination panel with quick connection for easier installation. Stainless steel shaft extension for corrosion protection. Centrifugal switchless design for improved life and lower maintenance. Class B insulation.

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1/3	3600	56Y	JSC225A	287	K	11.41	17	62	115/230	1.8	
1/2	3600	56Y	JSC325A	297	K	11.41	22	66	115/230	2.6	
3/4	3600	56Y	JSC425A	317	K	12.16	26	68	115/230	3.7	
1	3600	56Y	JSC525A	330	K	12.16	26	68	115/230	5.1	
1 1/2	3600	56YZ	JSC625A	456	K	14.88	43	72	115/230	6.9	
2	3600	56YZ	JSC725A	387	K	15.38	49	72	115/230	8.9	

(a) See notes on pages 11.

Data subject to change without notice. Contact Baldor for certified data.

**Square  
Flange Pump,  
Three Phase, ODP**

**1/3 thru 2 Hp**

**NEMA 56Y thru 56YZ**

**Applications:** Pump applications where square flange mounting plate is required, such as swimming pools.



**Features:** Ball bearings, stainless steel shaft extension, long life windings.

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Single Phase</b>											
1/3	3600	56Y	JSL225A	291	K	11.41	21	72	115/230	2.3	30
1/2	3600	56Y	JSL325A	289	K	11.41	21	72	115/230	3.3	30
3/4	3600	56Y	JSL425A	307	K	11.91	26	64	115/230	5.1	30
1	3600	56Y	JSL525A	328	K	12.66	33	68	115/230	6.3	30
1 1/2	3600	56YZ	JSL625A	488	K	14.44	41	72	115/230	9	30
2	3600	56YZ	JSL725A	490	K	14.44	44	74	115/230	11	30
<b>Three Phase</b>											
1/2	3600	56YZ	JSM3107	260	K	11.40	21	70	230/460	1.2	30
3/4	3600	56YZ	JSM3111	308	K	11.40	23	74	208-230/460	1.5	
1	3600	56YZ	JSM3115	341	K	12.02	28	77	230/460	1.6	30
1 1/2	3600	56YZ	JSM3120	407	K	12.77	30	81.5	230/460	2	30
2	3600	56YZ	JSM3155	482	K	13.40	34	82.5	230/460	2.7	30

(a) See notes on pages 11.

**General Purpose,  
Single Phase, Open**



**1/4 thru 2 Hp**

**NEMA 48 and 56H**

**Applications:** Ventilators, summer cooling fans, band saws, drill presses, farm equipment, etc.

**Features:** 40°C ambient, 60 Hertz, aluminum endplates, automatic thermal overloads, ball bearings, and capacitor start (single phase). Termination panel with quick connection for easier installation. Resilient cushion rings on a rugged steel base. Reversible rotation. Class B insulation.

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	S.F.	Notes (a)
1/4	1800	48	RL144A	207	C1	10.46	21	115/230	2.2	1.25	30
	3600	48	RL224A	186	C1	11.09	18	115/230	2.7	1.15	30
1/3	1800	56	RL245A	222	C1	11.09	25	115/230	2.7	1.15	30
		48	RL324A	202	C1	11.09	23	115/230	3.5	1.15	30
1/2	3600	56	RL325A	204	C1	12.57	23	115/230	3.5	1.15	30
		48Z	RL344A	254	C1	12.34	25	115/230	3.6	1.25	30
	1800	56	RL345A	256	C1	12.57	25	115/230	3.6	1.25	30
		56	RL425A	240	C1	12.57	23	115/230	4.7	1.25	30
3/4	3600	56	RL425A	240	C1	12.57	23	115/230	4.7	1.25	30
	1800	56	RL445A	272	C1	13.07	33	115/230	5.3	1.25	30
1	3600	56YZ	RL525A	286	C1	12.60	30	115/230	5.9	1.25	30
	1800	56	RL545A	343	C1	12.04	32	115/230	6.5	1.15	30
1 1/2	3600	56H	RL625A	331	C1	13.04	41	115/230	9	1.30	30
	1800	56H	RL645A	411	C1	13.05	42	115/230	9.1	1.15	30
2	3600	56H	RL725A	391	C1	13.04	41	115/230	13	1.20	30

(a) See notes on pages 11.

Data subject to change without notice. Contact Baldor for certified data.

**HVAC Blower,  
Single and  
Three Phase, OPAO**

**1/4 thru 2 Hp**

**NEMA 48 and 56H**



**Applications:** Heating, ventilation, and air conditioning blowers. Designed for continuous air-over applications with moderate starting loads.

**Features:** 40°C ambient, 60 Hertz, aluminum endplates, automatic thermal overloads, ball bearings, and capacitor start (single phase). Termination panel with quick connection for easier installation. Resilient cushion rings on a rugged steel base. Reversible rotation. Class B insulation.

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	S.F.	Notes (a)
<b>Single Phase, Permanent Split Capacitor</b>											
1/4	1800	48	RHC144A	202	C1	10.46	20	115/230	1.5	1.00	30
	1200	48	RHC164A	229	C1	10.46	24	115/230	1.7	1.15	30
1/3	1800	48	RHC244A	207	C1	10.46	22	115/230	1.8	1.00	30
	1200	48	RHC264A	235	C1	10.46	24	115/230	1.9	1.15	30
1/2	1800	48	RHC344A	248	C1	10.46	24	115/230	3	1.00	30
		56	RHC345A	250	C1	11.09	24	115/230	3	1.00	30
	1200	48	RHC364A	276	C1	11.96	26	115/230	3	1.00	30
		56	RHC365A	283	C1	12.60	26	115/230	3	1.00	30
3/4	1800	56	RHC445A	265	C1	11.72	27	115/230	4	1.00	30
	1200	56	RHC465A	311	C1	12.60	27	115/230	4.4	1.00	30
1	1800	56	RHC545A	299	C1	12.60	28	115/230	5.1	1.00	30
	1200	56	RHC565A	356	C1	13.92	45	115/230	5.3	1.00	
1 1/2	1800	56	RHC645A	343	C1	13.04	44	115/230	7.2	1.00	
	1200	56	RHC665A	408	C1	15.29	55	115/230	8	1.00	
2	1800	56	RHC745A	400	C1	13.92	45	115/230	9.5	1.00	
<b>Three Phase</b>											
1/4	1800	48	RHM144A	194	C1	10.46	22	230/460	0.55	1.25	30
	1200	48	RHM164A	223	C1	10.46	22	230/460	0.65	1.25	30
1/3	1800	48	RHM244A	202	C1	10.46	25	230/460	0.75	1.25	30
	1200	48	RHM265A	228	C1	10.46	25	230/460	0.85	1.25	30
1/2	1800	48	RHM344A	238	C1	10.46	25	230/460	1.15	1.25	30
		56	RHM345A	242	C1	11.09	25	230/460	1.15	1.25	30
	1200	48	RHM364A	269	C1	10.71	27	230/460	1.1	1.25	30
		56	RHM365A	271	C1	11.34	26	230/460	1.1	1.25	30
3/4	1800	56	RHM445A	255	C1	11.09	27	230/460	1.7	1.25	30
	1200	48Z	RHM465A	308	C1	12.59	27	230/460	1.7	1.15	30
1	1800	56	RHM545A	298	C1	11.72	28	230/460	1.9	1.15	30
	1200	56H	RHM565A	359	C1	13.04	36	208-230/460	1.75	1.15	
1 1/2	1800	56H	RHM645A	349	C1	12.04	34	208-230/460	2.4	1.15	
	1200	56H	RHM665A	397	C1	13.92	48	208-230/460	2.6	1.15	
2	1800	56H	RHM745A	388	C1	13.04	36	208-230/460	3.1	1.15	

(a) See notes on pages 11.

Data subject to change without notice. Contact Baldor for certified data.

**Direct Drive Fan,  
Single and  
Three Phase, TEAO**



**1/4 thru 1-1/2 Hp**

**NEMA 48Z, 56 thru 56Z**

**Applications:** Air-handling fans, confinement houses, exhaust fans, unit heaters. Designed for continuous air-over applications with moderate starting loads.

**Features:** 40°C ambient, 60 Hertz, aluminum endplates, automatic thermal overloads, ball bearings, and capacitor start (single phase). Termination panel with quick connection for easier installation. Resilient cushion rings on a rugged steel base. Reversible rotation. Class B insulation.

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	S.F.	Notes (a)
<b>Single Phase, Permanent Split Capacitor</b>											
1/4	1800	48Z	<b>CHC144A</b>	211	C1	11.46	24	115/230	1.5	1.00	30
	1200	48Z	<b>CHC164A</b>	240	C1	11.46	24	115/230	1.6	1.15	30
1/3	1800	48Z	<b>CHC244A</b>	222	C1	11.46	25	115/230	2.1	1.15	30
	1200	48Z	<b>CHC264A</b>	250	C1	11.46	26	115/230	2	1.15	30
1/2	1800	48Z	<b>CHC344A</b>	259	C1	12.09	28	115/230	2.9	1.15	30
		56	<b>CHC345A</b>	262	C1	12.84	25	115/230	2.9	1.15	30
	1200	48Z	<b>CHC364A</b>	290	C1	12.96	26	115/230	3.2	1.15	30
		56	<b>CHC365A</b>	294	C1	13.72	26	115/230	3.2	1.15	30
3/4	1800	56	<b>CHC445A</b>	281	C1	13.72	28	115/230	3.6	1.15	
	1200	56	<b>CHC465A</b>	339	C1	13.92	48	115/230	4.5	1.00	
1	1800	56	<b>CHC545A</b>	331	C1	13.04	39	115/230	4.9	1.00	
	1200	56	<b>CHC565A</b>	392	C1	13.92	48	115/230	5.3	1.00	20
1 1/2	1800	56	<b>CHC645A</b>	378	C1	13.92	49	115/230	6.8	1.00	
<b>Three Phase</b>											
1/4	1800	48Z	<b>CHM144A</b>	205	C1	11.46	25	230/460	0.5	1.25	30
	1200	48Z	<b>CHM164A</b>	249	C1	11.46	25	230/460	0.65	1.25	30
1/3	1800	48Z	<b>CHM244A</b>	216	C1	11.46	20	230/460	0.65	1.25	30
	1200	48Z	<b>CHM264A</b>	242	C1	11.46	19	230/460	0.85	1.25	30
1/2	1800	48Z	<b>CHM344A</b>	254	C1	11.46	24	230/460	0.95	1.25	30
		56Z	<b>CHM345A</b>	256	C1	12.21	23	230/460	0.95	1.25	30
	1200	48Z	<b>CHM364A</b>	283	C1	11.46	23	230/460	1.1	1.25	30
		56Z	<b>CHM365A</b>	285	C1	12.21	25	230/460	1.1	1.25	30
3/4	1800	56Z	<b>CHM445A</b>	271	C1	12.84	27	230/460	1.4	1.15	30
	1200	56Z	<b>CHM465A</b>	327	C1	13.72	33	208-230/460	0	1.15	30
1	1800	56Z	<b>CHM545A</b>	321	C1	13.72	33	208-230/460	1.6	1.15	30
	1200	56	<b>CHM565A</b>	380	C1	13.04	39	208-230/460	1.8	1.15	30
1 1/2	1800	56	<b>CHM645A</b>	367	C1	12.04	34	208-230/460	2.5	1.15	30

(a) See notes on pages 11.

Data subject to change without notice. Contact Baldor for certified data.

## Fan and Blower, Single Phase, Open

1/4 thru 1/2 Hp

NEMA 48 and 56



**Applications:** Air conditioning equipment, blowers, and fans. Designed for applications with moderate starting loads.

**Features:** 40°C ambient, 60 Hertz, aluminum endplates, automatic thermal overloads, and ball bearings. 1.25 service factor. Termination panel with quick connection for easier installation. Resilient cushion rings on a rugged steel base. Reversible rotation. Mounting base is notched with mounting holes for NEMA 48 and 56. Class B insulation.

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	S.F.	Notes (a)
1/4	1800	48	RSP1441A	180	C1	10.50	26	115	4.3	1.25	
		48	RSP1442A	184	C1	10.50	27	230	2.1	1.25	
1/3	1800	48	RSP2441A	192	C1	10.50	23	115	5.4	1.25	
		48	RSP2442A	196	C1	10.50	22	230	2.7	1.25	
		56	RSP2451A	195	C1	11.12	27	115	5.4	1.25	
		56	RSP2452A	202	C1	11.12	25	230	2.7	1.25	
1/2	1800	48	RSP3441A	224	C1	10.50	27	115	7.2	1.25	
		48	RSP3442A	229	C1	10.50	23	230	3.5	1.25	
		56	RSP3451A	227	C1	11.12	25	115	7.2	1.25	
		56	RSP3452A	233	C1	11.12	23	230	3.5	1.25	

(a) See notes on pages 11.

Data subject to change without notice. Contact Baldor for certified data.

## Incubator/Hatchery Vent Fan, Single Phase, TEAO

1/4 thru 1/2 Hp

NEMA 48Z



**Applications:** Direct drive hatchery and incubator fans.

**Features:** 40°C ambient, 60 Hertz, aluminum endplates, automatic thermal overloads, and ball bearings. 1.0 service factor. Extended through bolts. Pilot circuit. Class B insulation.

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	S.F.	Notes (a)
1/4	1725	48Z	HIC174A	256	C1	10.14	27	115/230	1.5	1.00	30
	1625	48Z	HIC164A	256	C1	10.14	27	115/230	1.6	1.00	
1/3	1725	48Z	HIC274A	275	C1	10.14	28	115/230	2	1.00	
	1625	48Z	HIC264A	275	C1	10.14	25	115/230	1.9	1.00	
1/2	1725	48Z	HIC374A	298	C1	11.11	29	115/230	2.5	1.00	
	1625	48Z	HIC364A	298	C1	11.11	27	115/230	2.6	1.00	

(a) See notes on pages 11.

Data subject to change without notice. Contact Baldor for certified data.

**Condenser Fan,  
Single Phase, OPAO,  
TEAO, Round Body**



**1/4 thru 1/2 Hp**

**NEMA 48YZ**

**Applications:** Condenser fans, refrigeration fans, air handlers, evaporators, furnace blowers and heat pumps. Designed for continuous air-over applications with moderate starting loads.

**Features:** 6" long by 1/2" diameter shaft with two flats 90° apart, 30" leads. 60 Hertz, aluminum endplates, automatic thermal overloads, and ball bearings. Class B insulation. Reversible rotation. 1.0 service factor. 370-volt capacitor not included. 60°C ambient

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	S.F.	Capacitor Size	Notes (a)
<b>PSC, Multiple Flats, OPAO</b>												
1/4	1200	48YZ	<b>CFC1614A</b>	180	C1	14.10	20	230	1.4	1.00	5 MFD	30
		48YZ	<b>CFC1624A</b>	180	C1	14.10	22	208-230	0	1.00	7.5 MFD	
1/3	1200	48YZ	<b>CFC2614A</b>	199	C1	14.35	25	230	1.9	1.00	8 MFD	30
1/2	1200	48YZ	<b>CFC3614A</b>	221	C1	15.60	29	230	2.6	1.00	10 MFD	30
		48YZ	<b>CFC3624A</b>	232	C1	15.60	29	208-230	2.7	1.00	10 MFD	
<b>PSC, Multiple Flats, TEAO</b>												
1/4	1200	48YZ	<b>CFC1641A</b>	187	C1	14.10	20	115	3.7	1.00	5 MFD	
		48YZ	<b>CFC1642A</b>	187	C1	14.15	20	230	1.4	1.00	5 MFD	30
1/3	1200	48YZ	<b>CFC2624A</b>	207	C1	14.73	26	208-230	2	1.00	7.5 MFD	
		48YZ	<b>CFC2641A</b>	205	C1	14.35	22	115	3.9	1.00	8 MFD	
1/2	1200	48YZ	<b>CFC2642A</b>	205	C1	14.35	24	230	1.9	1.00	8 MFD	30
		48YZ	<b>CFC3641A</b>	224	C1	15.60	29	115	6.2	1.00	10 MFD	
1/2	1200	48YZ	<b>CFC3642A</b>	224	C1	15.60	29	230	2.6	1.00	10 MFD	30

(a) See notes on pages 11.

Data subject to change without notice. Contact Baldor for certified data.  
TEAO = Totally Enclosed Air Over, OPAO = Open Air Over

**Direct Drive,  
Indoor Blower,  
Single Phase, OPAO,  
Round Body**



**1/4 thru 1/2 Hp**

**NEMA 48YZ**

**Applications:** Condenser fans, refrigeration fans, air handlers, evaporators, furnace blowers and heat pumps. Designed for continuous air-over applications with moderate starting loads.

**Features:** 6" long by 1/2" diameter shaft with two flats 90° apart, 30" leads. 60 Hertz, aluminum endplates, automatic thermal overloads, and ball bearings. 370-volt capacitor not included. Extended through bolts. Reversible rotation. 1.0 service factor. Class B insulation. 40°C ambient

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	S.F.	Capacitor Size	Notes (a)
<b>Permanent Split Capacitor, Multiple Flats</b>												
1/4	1200	48YZ	<b>DDC1641A</b>	173	C1	12.13	16	115	2.9	1.00	10 MFD	
		48YZ	<b>DDC1642A</b>	173	C1	12.13	14	208-230	1.5	1.00	7 MFD	
1/3	1800	48YZ	<b>DDC2442A</b>	166	C1	12.69	17	208-230	1.7	1.00	10 MFD	
	1200	48YZ	<b>DDC2641A</b>	195	C1	12.69	17	115	3.8	1.00	10 MFD	
1/2		1200	48YZ	<b>DDC2642A</b>	195	C1	12.69	19	208-230	2	1.00	7.5 MFD
	48YZ		<b>DDC3641A</b>	216	C1	13.57	20	115	5.8	1.00	12 MFD	
1/2	3600	48YZ	<b>DDC3642A</b>	216	C1	13.57	20	208-230	2.8	1.00	12 MFD	
		48YZ	<b>DDC3251A</b>	225	C1	11.0	20	115	4.7	1.00	10 MFD	

**Yoke/Pedestal Fan,  
Single Phase, TEAO**

**1/4 thru 1/2 Hp**

**NEMA 48YZ thru 56YZ**



**Applications:** Air circulation fans. Designed for continuous air-over applications with moderate starting loads.

**Features:** 40°C ambient, 60 Hertz, aluminum endplates, automatic thermal overloads, and ball bearings. 1.0 service factor. Extended through bolts on 5.13" bolt circle for mounting fan shroud. Heavy gage steel yoke with 180° slot for wide angle rotation. Pull chain switch (2sp only) for high and low speeds. Reversible rotation. Termination panel with quick connection for easier installation.

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	S.F.	Notes (a)
<b>Single Speed, Permanent Split Capacitor</b>											
1/4	1800	48YZ	<b>YPC144A</b>	186	C1	10.48	19	115	3.5	1.00	
	1200	48YZ	<b>YPC164A</b>	205	C1	10.48	21	115	3.7	1.00	
1/3	1800	48YZ	<b>YPC244A</b>	196	C1	10.60	21	115	3.9	1.00	
		56YZ	<b>YPC245A</b>	199	C1	10.48	21	115	3.9	1.00	
	1200	48YZ	<b>YPC264A</b>	221	C1	10.48	22	115	4.7	1.00	
		56YZ	<b>YPC265A</b>	223	C1	10.48	22	115	4.7	1.00	
1/2	1800	48YZ	<b>YPC344A</b>	228	C1	10.60	24	115	5.6	1.00	
		56YZ	<b>YPC345A</b>	232	C1	10.48	24	115	5.6	1.00	
	1200	48YZ	<b>YPC364A</b>	259	C1	11.10	25	115	5.6	1.00	
<b>2 Speed Tapped Winding, Permanent Split Capacitor</b>											
1/4	1200/900	48YZ	<b>YPC1624A</b>	222	C1	12.15	22	115	3.2	1.00	
1/3	1200/900	48YZ	<b>YPC2624A</b>	249	C1	13.66	25	115	3.9	1.00	
		56YZ	<b>YPC2625A</b>	251	C1	13.66	25	115	3.9	1.00	
1/2	1200/900	48YZ	<b>YPC3624A</b>	317	C1	14.16	28	115	6.2	1.00	20
		56YZ	<b>YPC3625A</b>	320	C1	14.16	28	115	6.2	1.00	20

(a) See notes on pages 11.

Data subject to change without notice. Contact Baldor for certified data.

<b>NOTES - DESCRIPTIONS</b>	
19	60/50 Hertz motor. 60 Hertz data shown, contact your local Baldor office for 50 Hertz data.
20	Class F Insulation.
30	Usable at 208 volts.