

## Motors for CR(E)-H, CRN(E)-H

Motors used in the CR(E)-H, CRN(E)-H pump range are:

- Grundfos ML or MLE motors
- Grundfos-specified Baldor® motors

The information in the tables below applies to the following motors type and size:

Type	Phases	Motor range [hp]	Cooling
<b>ML</b>	3	.33 - 10	TEFC
	1	.33 - 10	TEFC
<b>Baldor</b>	3	15 - 60	TEFC
	3	15 - 60	ODP
<b>MLE</b>	1	.5 - 1.5	TEFC
	3	1 - 10	TEFC

Grundfos CR(E)-H, CRN(E)-H pumps are supplied with 2-pole, NEMA C-frame motors built or selected to our rigid specifications. All CR(E)-H, CRN(E)-H pump motors have heavy-duty bearings for maximum thrust requirements.

**We do not recommend that an off-the-shelf standard Baldor motor is used on a Grundfos pump. Ideally, the best motor choice would be the Grundfos-specified motor.**

Other motor types are available (i.e. explosion proof, Mill and Chem Duty, high efficiency, etc.); consult your local Grundfos company for more information.

Pumps supplied by Grundfos Canada are normally supplied with motors from other manufacturers. The 575 V motors also meet NEMA Premium efficiency standards. Dimensions and data will vary; contact your local Grundfos company for more information.

All values are subject to change without notice.

# Motor data

CR-H, CRN-H, CRE-H, CRNE-H

Grundfos ML motor



GR 7845

Baldor motor



TM04 6540 0510

Grundfos MLE motor



GR 8972\_p

**TEFC motors (totally enclosed fan cooled, constant speed)**

Product number	Power [hp]	Phases	Frame size	SF	Supply voltage [V]	Eff. [%]	Efficiency rating	Temp. class	KVA	FLA	SFA	LRA	Motor
84Z04526	0.33	1	56C	1.35	115/230	55	Not defined	B	K	6/3	7.6/3.8	28/14	Baldor
97567717	0.33	3	56C	1.35	208-230/460	78.5	Not defined	F	A	1.12-1.1/0.55	1.5-1.45/0.75	7.1-7.7/3.9	ML
84Z04527	0.5	1	56C	1.6	115/208-230	62	Not defined	B	K	7.4/4.1-3.7	9.8/5.2-4.9	39/21.6-19.5	Baldor
97568081	0.5	3	56C	1.25	208-230/460	78.5	Not defined	F	K	1.64-1.55/0.78	2.0-1.9/0.95	9.7-10.1/5.1	ML
84Z04528	0.75	1	56C	1.25	115/230	66	Not defined	B	K	9.6/4.8	11.4/6	56/31-28	Baldor
97678090	0.75	3	56C	1.25	208-230/460	80	Not defined	F	J	2.4-2.3/1.2	2.9-2.75/1.4	14.2-15.0/7.8	ML
84Z04529	1	1	56C	1.25	115/230	66	Not defined	B	K	12/6	14.4/7.2	77/38.5	Baldor
97568102	1	3	56C	1.25	208-230/460	80	NEMA Premium	F	K	3.25-3.35/1.68	4.0-3.9/1.95	19.2-21.8/11.0	ML
84Z04530	1.5	1	56C	1.3	115/208-230	71	Not defined	B	K	17/9.5-8.6	20.4/11.3-10.2	106/58.6-53	Baldor
97568103	1.5	3	56C	1.15	208-230/460	84	NEMA Premium	F	L	4.7-4.6/2.3	5.2-5.1/2.55	33.9-36.8/18.4	ML
84Z04531	2	1	56C	1.15	115/208-230	74	Not defined	B	K	23/12.7-11.5	25.4/12.7-12.7	156/78	Baldor
97568104	2	3	56C	1.15	208-230/460	85.5	NEMA Premium	F	M	5.7-5.4/2.7	6.55-6.1/3.05	46.2-48.6/24.3	ML
84Z04532	3	1	182TC	1.15	115/208-230	75	Not defined	F	H	29/16-14.5	31.8/18-15.9	172/95-86	Baldor
97568105	3	3	182TC	1.15	208-230/460	86.5	NEMA Premium	F	M	8.4-7.7/3.9	9.5-8.6/4.3	79.0-80.1/40.6	ML
84Z04533	5	1	213TC	1.15	230	80	Not defined	F	J	22	25	170	Baldor
97568106	5	3	182TC	1.15	208-230/460	88.5	NEMA Premium	F	M	13.8-13.0/6.5	15.6-14.6/7.3	124.2-128.7/64.4	ML
84Z04534	7.5	1	213TC	1.15	208-230	82	Not defined	F	F	33.8-31	35.5-33.8	244-220	Baldor
97568109	7.5	3	213TC	1.15	208-230/460	90	NEMA Premium	F	N	20.4-19.4/9.7	23-21.5/10.8	191.8-201.8/100.9	ML
84Z04535	10	1	213TC	1.15	230	85.5	Not defined	F	F	40	46	284	Baldor
97568110	10	3	213TC	1.15	208-230/460	90.2	NEMA Premium	F	M	26.5-25.5/12.8	30.5-28.5/14.5	238.5-252.5/126.8	ML
84Z04951	15	3	254TCZ	1.15	230/460	91	NEMA Premium	F	K	34.4/17.2	40/20	336-304/152	Baldor
84Z04952	20	3	256TCZ	1.15	230/460	91	NEMA Premium	F	H	46/23	52/26	412/206	Baldor
84Z04953	25	3	284TSCZ	1.15	230/460	93	NEMA Premium	F	J	56/28	63/31.5	502-454/227	Baldor
84Z04954	30	3	286TSCZ	1.15	230/460	93	NEMA Premium	F	J	66/33	76/38	495-448/224	Baldor
84Z04955	40	3	286TSCZ	1.15	230/460	93.6	NEMA Premium	F	L	90/45	104/52	728-658/329	Baldor
84Z04957	50	3	326TSCZ	1.15	230/460	93	NEMA Premium	F	H	112/56	128/64	810/405	Baldor
84Z04958	60	3	364TSCZ	1.15	230/460	93.6	NEMA Premium	F	J	136/68	154/77	950/475	Baldor

It is recommended that you verify all electrical data for motors on the motor nameplate.

ODP Motors (open drip proof, constant speed)													
Product number	Power [hp]	Phases	Frame size	SF	Supply voltage [V]	Eff. [%]	Efficiency rating	Temp. class	KVA	FLA	SFA	LRA	Motor
84Z04963	15	3	254TCZ	1.15	230/460	91	NEMA Premium	F	J	34/17	39.8/18.9	272/136	Baldor
84Z04964	20	3	254TCZ	1.15	230/460	91	NEMA Premium	F	G	48/24	54/27	306/153	Baldor
84Z04965	25	3	286TSCZ	1.15	230/460	91.7	NEMA Premium	F	G	56/28	34/32	374/187	Baldor
84Z04966	30	3	284TSCZ	1.15	230/460	91.7	NEMA Premium	F	F	66/33	76/38	480/240	Baldor
84Z04967	40	3	286TSCZ	1.15	230/460	94.1	NEMA Premium	F	H	90/45	104/52	542/271	Baldor
84Z04968	50	3	324TSCZ	1.15	230/460	94.5	NEMA Premium	F	J	108/54	124/62	542/271	Baldor
84Z04969	60	3	326TSCZ	1.15	230/460	94.5	NEMA Premium	F	H	130/165	148/74	542/271	Baldor

MLE Motors (integrated variable frequency drive)										
Product number	Power [hp]	Phases	Frame size	SF	Supply voltage [V]	Efficiency [%]	Insulation class	Full load current [A]	Service factor current [A]	
97666979	1/2	1	56C	1	208-230	71	F	2.8	-	
97667004	3/4	1	56C	1	208-230	74	F	3.9	-	
97667012	1	1	56C	1	208-230	76	F	5.2	-	
97667024		3	56C	1.25	460-480	78	F	1.7	2.1	
97667017	1 1/2	1	56C	1	208-230	77	F	7.5	-	
97667018		3	56C	1	208-230	76.8	F	4.2	-	
97667025		3	56C	1.15	460-480	80	F	2.15	2.5	
97667019	2	3	56C	1	208-230	78.3	F	5.6	-	
97667026		3	56C	1.15	460-480	82	F	2.7	3.1	
97667020	3	3	182TC	1	208-230	79.5	F	8.1	-	
97667027		3	182TC	1.15	460-480	84	F	3.7	4.3	
97667022	5	3	184TC	1	208-230	79.7	F	13.4	-	
97667028		3	184TC	1.15	460-480	85	F	6.1	7	
97667023	7 1/2	3	215TC	1	208-230	82.5	F	19.7	-	
97667029		3	215TC	1.15	460-480	85	F	8.9	10.3	
97667031		10	3	215TC	1.15	460-480	86	F	12	13.8

**Notes:**

- 1) Motor Eff. is the total efficiency for the motor and variable frequency drive.
- 2) Some pump models run into motor service factor and cannot be run on 1.0 service factor motors. Either upsize motor or downsize pump end to keep from running into motor service factor.