

Small alternating current motors

Elektriska aktiebolaget Chr. Bergh
& Co

Vardagstryck



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CHRISTIAN BERGH ELECTRIC CO. LIMITED

HEAD OFFICE AND WORKS:

MALMÖ, SWEDEN

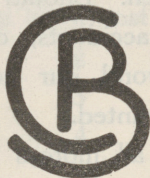


LONDON OFFICE:

"BANK CHAMBERS" 329 HIGH HOLBORN

LONDON W. C. 1

TELEGRAPHIC ADDRESS: SWEDEN, "CEBE", MALMÖ
ENGLAND, "CEBE", LONDON



TRADE

MARK

SMALL ALTERNATING
CURRENT MOTORS.

CONDITIONS OF SALE.

- DIMENSIONS:** All dimensions are in m/m and approximate. Exact drawings and dimension prints are sent on request.
- PACKING:** All goods are packed in the most careful manner. Packing is charged at cost as listed.
- DAMAGE IN TRANSIT:** The company do not hold themselves responsible for damage in transit.
- DESPATCH:** We will endeavour to despatch on the date given, but will accept no liability for failure to do so unless a guarantee be given under an agreed penalty (as liquidated damages) for late despatch. Should despatch be delayed by strikes, lockouts, fire, accidents, defective material or any cause whatsoever beyond our control a reasonable extension of time shall be granted.
- GUARANTEE:** We guarantee all motors for a period of 12 months after date of despatch. We will replace free af charge (in case of export fob. Swedish Port) all parts found to be defective in design, material and workmanship.

STANDARD OPEN PROTECTED A. C. MOTORS UP TO 50 HP.

TECHNICAL INFORMATION.

This list covers motors up to 50 HP. Larger motors on application.

BEARINGS: All motors are designed with endshield bearings and oilring lubrication.

SLIPRING MOTORS: Motors type D 14 and above are as a standard delivered with brushlifting and shortcircuiting device. Types D 11, D 12 and D 13 can be supplied with brushlifting and short-circuiting device at an extra cost of

	£	s.	d.
D 11	3	16	0
D 12	4	11	0
D 13	5	10	0

SQUIRREL CAGE MOTORS: Can be supplied with 6 terminals for star-delta starting. Extra price as per list.

TEMPERATURE RISE: After six hours full load run the temperature-rise will be:

Stator: 50° C by resistance.

Rotor: 50° C by resistance.

OVERLOAD: 25 % half an hour.

40 % three minutes.

PERIODICITY: At a periodicity of more or less than 50 cycles the output will be as follows:

40 cycles: 20 % less than listed output.

60 cycles: 10 % more than listed output.

VOLTAGE: The motors are as a standard manufactured for 110, 220 and 380 volts. The max. voltage for standard motors is 500 volts

without reduction in output. Prices as per list with exception for types D 9—D 10 ¹/₂. At 500 volts the price for these motors will be increased by 3 %.

SPEED: The speed at 40 cycles will be 20 % less than at 50 cycles, and at 60 cycles about 20 % more than at 50 cycles.

EFFICIENCY AND POWER FACTOR: The efficiency and power factor are given with a margin of:

1 % when 86 % or above

1 ¹/₂ % when 81 % to 85 %

2 % when 70 % to 80 %.

PULLEYS: If nothing to the contrary is stated in the order, the motors are delivered with standard pulleys.

Pulleys with diameters between min and standard size are delivered at list price.

Larger pulleys than standard are delivered at an extra cost.

STARTERS: Two-phase and three-phase slipping motors are started by rotor starter. The starting current is approximately in proportion to the starting torque.

Two- and three-phase squirrel cage motors have a starting current of about 3—6 times normal, when switched direct on the line.

If star-delta starting is used, the starting current is about 2—3.5 normal. Large squirrel cage motors should have auto-starters.

SEMI-ENCLOSED MOTORS: Standard open type motors can be supplied with protecting covers at an extra cost as stated in the list.

SINGLE PHASE MOTORS: Quotations on request.

SPECIAL DESIGNS:

Ventilated enclosed motors.

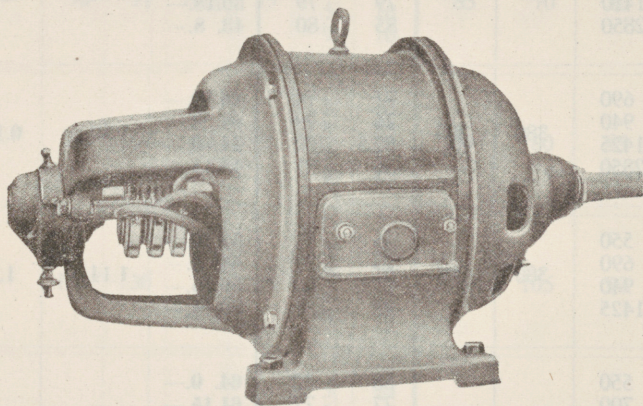
Totally enclosed motors.

Vertical motors.

Motors for intermittent service.

Motors with special technical data.

Prices on application.



STANDARD OPEN TYPE
SLIPRING INDUCTION MOTOR.

Two and three phase slipring motors 50 cycles.

Type	HP	R.P.M. full load	MAX. VOLTS		P. F. %	Eff. %	P R I C E S			
			3-phase	2-phase			Motor £ s. d.	Protecting covers £ s. d.	Standard Pulley £ s. d.	Slides £ s. d.
D 6	0.6	680	380	285	65	70	35.10.—	1.10.—	0.11.—	2.8.—
	1	925			75	75	34. 2.—			
	1.5	1400			78	78	34. 2.—			
	2	2800			84	79	36.18.—			
D 7	1	685	380	285	69	72	42.12.—	1.12.—	0.13.—	2.8.—
	1.5	935			74	78	39.18.—			
	2	1410			79	79	39.18.—			
	3	2850			85	80	43. 8.—			
D 8	1.5	690	380	285	71	74	46.10.—	1.12.—	0.18.—	2.14.—
	2.25	940			76	79	44. 0.—			
	3	1425			80.5	80	44. 0.—			
	5	2850			86	81	48.14.—			
D 9	1.2	550	380	285	65	71	54.10.—	1.14.—	1.2.—	2.19.—
	2	690			73	77	53. 0.—			
	3	940			77.5	80	50.15.—			
	4	1425			82	81	50.15.—			
D 10	1.5	550	380	285	68	72	64. 0.—	1.16.—	1.11.—	3.7.—
	2.5	700			77	77	61.15.—			
	4	940			80	81	59. 0.—			
	5	1425			84	82.5	59. 0.—			
D 10^{1/2}	2	550	380	285	68	73	66.10.—	1.16.—	1.11.—	3.15.—
	3	700			77	78	64. 5.—			
	4.5	940			80	81	61. 0.—			
	6	1425			84	83	61. 0.—			
D 11	2	560	500	375	75	74	74.15.—	1.17.—	1.13.—	4. 3.—
	4	700			78	79	72. 5.—			
	5.5	940			82	82.5	68.10.—			
	7.5	1430			86	83.5	68.10.—			
D 12	3	560	500	375	76	75	89.10.—	2.6.—	2.0.—	4.16.—
	5.5	710			79	80	77.10.—			
	7.5	945			83	83.5	83.10.—			
	10	1440			87	84.5	83.10.—			
D 13	5	565	500	375	77	78	114.10.—	2.19.—	2.7.—	5.15.—
	8	710			80	82	112. 0.—			
	11	950			84	84.5	107. 0.—			
	15	1450			88	85.5	107. 0.—			

Two and three phase slipring motors 50 cycles.

P R I C E S		APPROX. WEIGHT kgs.						P U L L E Y			Approx. Shipping Displacement cm.
Aircooled Rotor Starter £ s. d.	Packing Motor	Motor		Slides		Starter		Diam. m/m		Face m/m	
		nett	gross	nett	gross	nett	gross	Standard	min.		
4. 1.— 4. 1.— 4. 1.— 4. 1.—	11/—	53	73	10	18	5 5 5 5	10 10 10 10	75	60	60	39×46×66
4. 1.— 4. 1.— 4. 1.— 5. 3.—	14/—	70	91	10.5	19	5 5 5 9	10 10 10 10	85	70	70	41×50×66
4. 1.— 4. 1.— 5. 3.— 5. 9.—	16/—	82	107	12	21	5 5 9 9	10 10 15 15	100	80	75	44×51×73
4. 1.— 4. 1.— 5. 3.— 5. 3.—	18/—	101	130	14	24	5 5 9 9	10 10 15 15	130	105	90	46×54×75
4. 1.— 4. 9.— 5. 3.— 5. 9.—	18/—	123	153	17	27	5 5 9 9	10 10 15 15	145	115	100	48×57×80
4. 1.— 5. 3.— 5. 3.— 7.13.—	20/—	125	158	19	30	5 9 9 10	10 15 15 16	145	115	100	48×57×80
4. 1.— 5. 3.— 6. 0.— 6.10.—	20/—	150	183	22	33	5 9 10 10	10 15 16 16	155	125	110	51×60×84
5. 3.— 6. 0.— 6.10.— 8.15.—	20/—	180	215	25	36	9 10 10 16	15 16 16 30	180	145	130	54×63×92
5. 3.— 8.15.— 9.17.— 12.12.—	22/—	220	260	35	46	9 16 16 21	15 30 30 40	225	180	150	57×66×96

Two and three phase slipring motors 50 cycles.

Type	HP	R.P.M. full load	MAX. VOLTS		P. F.		P R I C E S			
			3-phase	2-phase	$\frac{1}{2}$ load %	$\frac{1}{4}$ load %	Motor £ s. d.	Protecting covers £ s. d.	Standard Pulley £ s. d.	Slides £ s. d.
D 14	8	570	500	375	78	80	137.10.—	3.2.—	2.15.—	6.7.—
	10	715			81	83	136. 5.—			
	15	950			85.5	85.5	129. 0.—			
	20	1450			89	87	129. 0.—			
D 15	10	465	500	375	74	80	185. 0.—	3.12.—	3.11.—	7.9.—
	12	570			79	83	180. 0.—			
	15	720			82	85.5	171. 5.—			
	20	950			86.5	87	171. 5.—			
	25	1450			88	88	185. 0.—			
D 16	16	465	500	375	76	82	220. 0.—	3.17.—	4.12.—	8.19.—
	20	570			81	85	213. 0.—			
	24	720			84	87	204. 0.—			
	30	950			87.5	88.5	204. 0.—			
	40	1450			89	89	220. 0.—			
D 17	20	470	500	375	77	85	265. 0.—	5.5.—	5.2.—	10.8.—
	24	575			82	87	257.10.—			
	30	725			85	88.5	247.10.—			
	40	960			88	89.5	247.10.—			
D 18	23	355	500	375	75	85	345. 0.—	5.14.—	6.16.—	13.4.—
	33	475			80	87	336.10.—			
	40	580			83	88.5	321. 0.—			
D 18^{1/2}	28	355	500	375	75	85	392.10.—	7.0.—	7.12.—	14.16.—
	40	480			80	87	385. 0.—			
	50	580			83	89	368.10.—			
D 19	32	285	500	375	73	84	427.10.—	7.0.—	8.12.—	16.2.—
	40	360			78	87	416. 0.—			
D 20	44	285	500	375	75	86	—	—	—	—

Two and three phase slipring motors 50 cycles.

P R I C E S		APPROX. WEIGHT Kgs.						P U L L E Y			Approx. Shipping Displacement cm.
Aircooled Rotor Starter £ s. d.	Packing Motor	Motor		Slides		Starter		Diam. m/m		Face m/m	
		nett	gross	nett	gross	nett	gross	Standard	min.		
8.15.— 8.15.— 12.12.— 20.16.—	27/—	277	330	38	49	16 16 21 45	30 30 40 85	280	225	160	61×72×103
10.19.— 10.19.— 13.14.— 20.16.— 23. 0.—	31/—	375	430	46	58	16 16 21 45 48	30 30 40 85 90	350	280	180	66×77×112
14.16.— 21.19.— 23. 0.— 29.12.— 27. 9.—	37/—	455	535	55	68	21 45 48 48 48	40 85 90 90 90	390	310	225	73×83×125
20.16.— 25. 4.— 29.12.— 29.12.—	44/—	610	702	64	77	45 48 48 48	85 90 90 90	450	360	225	76×90×130
23. 0.— 29.12.— 29.12.—	53/—	790	890	70	84	48 48 48	90 90 90	500	400	280	84×100×145
23. 0.— 29.12.— 31. 5.—	53/—	870	995	85	100	48 48 48	90 90 90	500	450	300	84×100×155
27. 9.— 27. 9.—	66/—	1065	1180	100	115	48 48	90 90	550	440	320	92×100×165
29.12.—	85/—	1455	1630	140	160	48	90	600	500	350	92×100×175

Two and three phase slipring motors 25 cycles.

Type	HP	R.P.M. full load	MAX. VOLTS		P. F. % 1/1 load	Eff. % 1/1 load	P R I C E S			
			3-phase	2-phase			Motor £ s. d.	Protecting covers £ s. d.	Standard Pulley £ s. d.	Slides £ s. d.
D 6	0.6	450			74	73	36. 0.—			
	1	700	380	285	80	75	36. 0.—	1.10.—	0.11.—	2.8.—
	1.5	1400			84	77	38.15.—			
D 7	0.8	460			75	75	41.15.—			
	1.25	710	380	285	81	77	41.15.—	1.12.—	0.13.—	2.8.—
	2	1400			85	78	45.10.—			
D 8	1.2	460			76	77	46. 7.—			
	1.5	720	380	285	82	79	46. 7.—	1.12.—	0.18.—	2.14.—
	3	1420			86	80	50.15.—			
D 9	1.6	460			77	78	53.10.—			
	2	720	380	285	83	80	53.10.—	1.14.—	1.2.—	2.19.—
	4	1430			86	81	58.18.—			
D 10	2.2	460			79	80	63.15.—			
	3	720	380	285	84	81	63.15.—	1.16.—	1.11.—	3.7.—
	6	1440			87	83	69.15.—			
D 11	3	465			80	80	72. 0.—			
	4	720	500	375	85	83	72. 0.—	1.17.—	1.13.—	4.3.—
	7.5	1440			88	84	80. 0.—			
D 12	4	465			81	82	87.10.—			
	5.5	720	500	375	86	84	87.10.—	2.6.—	2.0.—	4.16.—
	10	1440			88	85	95. 0.—			
D 13	6.5	465			82	83	112.10.—			
	8	720	500	375	87	84.5	112.10.—	2.19.—	2.9.—	5.15.—
	14	1440			89	85.5	122.10.—			
D 14	8	475			84	84	136. 0.—			
	11	725	500	375	88	85.5	136. 0.—	3.2.—	2.15.—	6.7.—
	16	1450			89	86	148.15.—			

Two and three phase slipring motors 25 cycles.

P R I C E S		APPROX. WEIGHT Kgs.						P U L L E Y			Approx. Shipping Displacement cm.
Aircooled Rotor Starter £ s. d.	Packing Motor	Motor		Slides		Starter		Diam. m/m		Face m/m	
		nett	gross	nett	gross	nett	gross	Standard	min.		
4. 1.— 4. 1.— 4. 1.—	11/—	53	73	10	18	5 5 5	10 10 10	75	60	60	39×46×66
4. 1.— 4. 1.— 4. 1.—	14/—	70	91	10.5	19	5 5 5	10 10 10	85	70	70	41×50×66
4. 1.— 4. 1.— 5. 3.—	16/—	82	107	12	21	5 5 9	10 10 15	100	80	75	44×51×73
4. 1.— 5. 3.— 5. 3.—	18/—	101	130	14	24	5 9 9	10 15 15	130	105	90	46×54×75
4. 9.— 7.13.— 6. 0.—	18/—	125	158	19	30	5 16 10	10 30 16	145	115	100	48×57×80
5. 3.— 5. 3.— 6.10.—	20/—	150	183	22	33	9 9 10	15 15 16	155	125	110	51×60×84
5. 3.— 6. 0.— 8.15.—	20/—	180	215	25	36	9 10 16	15 16 30	180	145	130	54×63×92
6.10.— 8.15.— 13.14.—	22/—	220	260	35	46	10 16 21	16 30 40	225	180	150	57×66×96
8.15.— 9.17.— 14.16.—	27/—	277	330	38	49	16 16 21	30 30 40	280	225	160	61×72×103

Two and three phase slipring motors 25 cycles.

Type	HP	R.P.M. full load	MAX. VOLTS		P. F. %	Eff. %	P R I C E S			
			3-phase	2-phase			Motor £ s. d.	Protecting covers £ s. d.	Standard Pulley £ s. d.	Slides £ s. d.
D 15	9	350			80	82	178. 0.—			
	11	475			85	84	178. 0.—			
	15	725	500	375	88	85.5	191. 5.—	3.12.—	3.11.—	7.9.—
	18	1450			89	87	197.10.—			
D 16	13	355			81	84	212.10.—			
	17	480	500	375	86	85	212.10.—	3.17.—	4.12.—	8.19.—
	20	725			89	86.5	227.10.—			
D 17	17	355			82	85	285. 5.—			
	22	480	500	375	87	86	285. 5.—	5.5.—	5.2.—	10.8.—
	27	725			89	88	268.10.—			
D 18	30	360			85	86	337.10.—			
	36	480	500	375	88	88	337.10.—	5.14.—	6.16.—	13.4.—
	42	730			90	89.5	356. 5.—			
D 18 1/2	27	285			83	85	380. 0.—			
	36	360	500	375	86	87	380. 0.—	7.0.—	7.12.—	14.16.—
	45	480			89	89	399. 0.—			
D 19	32	225			82	85	416. 5.—			
	40	285	500	375	84	86	416. 5.—	7.0.—	8.12.—	16.2.—
	48	360			87	87	416. 5.—			
D 20	45	225	500	375	83	86				

Two and three phase slipring motors 25 cycles.

P R I C E S		APPROX. WEIGHT Kgs.						P U L L E Y			Approx. Shipping Displacement cm.
Aircooled Rotor Starter £ s. d.	Packing Motor	Motor		Slides		Starter		Diam. m/m		Face m/m	
		nett	gross	nett	gross	nett	gross	Standard	min.		
10.19.— 10.19.— 13.14.— 14.16.—	31/—	375	430	46	58	16 16 21 21	30 30 40 40	350	280	180	66×77×112
13.14.— 20.16.— 20.16.—	37/—	455	535	55	68	21 45 45	40 85 85	390	310	225	73×83×125
20.16.— 22. 0.— 23. 0.—	44/—	610	702	64	77	45 45 48	85 85 90	450	360	225	76×90×130
29.12.— 29.12.— 31. 5.—	53/—	790	890	70	84	48 48 48	90 90 90	500	400	280	84×100×145
25. 4.— 29.12.— 31. 5.—	53/—	870	995	85	100	48 48 48	90 90 90	500	450	300	84×100×155
29.12.— 29.12.— 31. 5.—	66/—	1065	1180	100	115	48 48 48	90 90 90	550	440	320	92×110×165
29.12.—	85/—	1455	1630	140	160	48	90	600	500	350	92×110×175

Two and three phase squirrel cage motors 50 cycles.

Type	HP	R.P.M. full load	MAX. VOLTS		P. F. % 1/1 load	Eff. % 1/1 load	P R I C E S		
			Standard 3-phase motors	3-phase motors with 6 terminals and 2-phase motors			Motor £ s. d.	Standard Pulley £ s. d.	Slides £ s. d.
D 2	.15	880			66	65	18.11.—		
	.25	1350	220	165	73	70	17. 7.—	0.8.—	—
	.40	2800			77	75	18.14.—		
D 3	.25	900			70	70	20.13.—		
	.5	1350	380	285	76	75	20. 0.—	0.8.—	—
	.75	2800			80	77	21. 5.—		
D 4	.25	650			66	68	23. 5.—		
	.5	900			76	74	22.14.—		
	.75	1375	380	285	78	77	22. 0.—	0.10.—	—
	1	2800			81	79	23. 5.—		
D 5	.4	670			68	70	25. 5.—		
	.75	920			75	75	24.12.—		
	1	1400	380	285	80	78	23. 7.—	0.10.—	—
	1.5	2800			83	80	25. 5.—		
D 6	.6	680			70	71	29. 4.—		
	1	925			78	75	27.18.—		
	1.5	1400	380	285	82	78	27.18.—	0.11.—	2.8.—
	2	2800			85	80	30.11.—		
D 7	1	685			72	72	35. 0.—		
	1.5	935			79	78	33. 0.—		
	2	1410	380	285	82	79	33. 0.—	0.13.—	2.8.—
	3	2850			85	80	35. 0.—		
D 8	1.5	690			74	74	39. 9.—		
	2.25	940			79	79	37.10.—		
	3	1425	380	285	83	80	37.10.—	0.18.—	2.14.—
	5	2850			86	81	40.18.—		
D 9	1.2	550			75	72	40.12.—		
	2	690			80	77	47. 8.—		
	3	940	380	285	83	80	45. 5.—	1.2.—	2.19.—
	4	1425			86	81	45. 5.—		
D 10	1.5	550			76	72	54.10.—		
	2.5	700			81	77	52.15.—		
	4	940	380	285	84	81	50.15.—	1.11.—	3.7.—
	5	1425			87	82.5	50.15.—		

Two and three phase squirrel cage motors 50 cycles.

P R I C E S		APPROX. WEIGHT kgs.				P U L L E Y			Approx. Shipping Displacement cm.
Extra for 6 terminals £ s. d.	Packing Motor	Motor		Slides		Diam. m/m		Face m/m	
		nett	gross	nett	gross	Standard	min.		
0.11.—	5/—	17	26	—	—	45	—	35	29 × 29 × 42
0.12.—	7/—	26	40	—	—	60	—	45	31 × 32 × 47
0.13.—	7/—	31	43	—	—	65	30	50	33 × 34 × 48
0.15.—	9/—	34	48	—	—	65	40	50	35 × 40 × 49
0.16.—	9/—	53	73	10	18	75	60	60	39 × 46 × 59
1.1.—	11/—	70	91	10.5	19	85	70	70	41 × 50 × 59
1.4.—	13/—	82	107	12	21	100	80	75	44 × 51 × 63
1.6.—	15/—	101	130	14	24	130	105	90	47 × 54 × 66
1.12.—	18/—	123	153	17	27	145	115	100	48 × 57 × 72

Two and three phase squirrel cage motors 50 cycles.

Type	HP	R.P.M. full load	MAX. VOLTS		P. F. % 1/1 load	Eff. % 1/1 load	P R I C E S		
			Standard 3-phase motors	3-phase motors with 6 terminals and 2-phase motors			Motor £ s. d.	Standard Pulley £ s. d.	Slides £ s. d.
D 10 1/2	2	550	380	285	76	72	58.15.—	1.11.—	3.15.—
	3	700			81	78	57.15.—		
	4.5	940			84	81	55. 0.—		
	6	1425			87	83	55. 0.—		
D 11	2	550	500	375	80	74	66. 0.—	1.13.—	4.3.—
	4	700			83	79	64.10.—		
	5.5	940			85	82.5	62. 0.—		
	7.5	1430			87	83.5	62. 0.—		
D 12	3	560	500	375	81	75	82. 0.—	2.0.—	4.16.—
	5.5	710			84	80	80.10.—		
	7.5	945			85.5	83.5	76.10.—		
	10	1440			88	84.5	76.10.—		
D 13	5	565	500	375	82	78	92. 0.—	2.7.—	5.15.—
	8	710			84	82	90. 0.—		
	11	950			86	84.5	85.15.—		
	15	1450			88	85.5	85.15.—		
D 14	8	570	500	375	83	80	119. 0.—	2.15.—	6.7.—
	10	715			85	83	117. 0.—		
	15	950			87	85.5	111.10.—		
	20	1450			89	87	111.10.—		
D 15	10	465	500	375	78	80	172. 0.—	3.11.—	7.9.—
	12	570			83	83	169. 0.—		
	15	720			85	85.5	160. 0.—		
	20	950			87	87	160. 0.—		
	25	1450			88	88	172. 0.—		
D 16	16	465	500	375	80	82	203.10.—	4.12.—	8.19.—
	20	570			85	85	199.10.—		
	24	720			87	87	190. 0.—		
	30	950			88	88.5	190. 0.—		
	40	1450			89	89	203.10.—		
D 17	20	470	500	375	81	85	246. 5.—	5.2.—	10.8.—
	24	575			84	87	242.10.—		
	30	725			86	88.5	230.10.—		
	40	960			88	89.5	230.10.—		

Two and three phase squirrel cage motors 50 cycles.

PRICES		APPROX. WEIGHT Kgs.				PULLEY			Approx. Shipping Displacement cm.
Extra for 6 terminals £ s. d.	Packing Motor	Motor		Slides		Diam. m/m		Face m/m	
		nett	gross	nett	gross	Standard	min.		
1.12.—	20/—	125	158	19	30	145	115	100	48 × 57 × 72
1.13.—	20/—	150	183	22	33	155	125	110	51 × 60 × 75
2.1.—	20/—	180	215	25	36	180	145	130	54 × 63 × 81
2.12.—	22/—	220	260	35	46	225	180	150	57 × 66 × 85
3.6.—	27/—	277	330	38	49	280	225	160	61 × 72 × 89
4.16.—	31/—	375	430	46	58	350	280	180	66 × 77 × 96
5.12.—	37/—	455	535	55	68	390	310	225	73 × 83 × 106
6.16.—	44/—	610	702	64	77	450	360	225	76 × 90 × 112

Two and three phase squirrel cage motors 50 cycles.

Type	HP	R.P.M. full load	MAX. VOLTS		P. F. % 1/1 load	Eff. % 1/1 load	P R I C E S		
			Standard 3-phase motors	3-phase motors with 6 terminals and 2-phase motors			Motor £ s. d.	Standard Pulley £ s. d.	Slides £ s. d.
D 18	23	355	500	375	79	85	322.15.—	6.16.—	13.4.—
	33	475			82	87	317.10.—		
	40	580			84	88.5	299.10.—		
D 18 1/2	28	355	500	375	79	85	368. 0.—	7.12.—	14.16.—
	40	480			82	87	361. 0.—		
	50	580			85	89	344. 0.—		
D 19	32	285	500	375	76	84	402.10.—	8.12.—	16.2.—
	40	360			80	87	392.10.—		
D 20	44	285	500	375	77	86			

Two and three phase squirrel cage motors 50 cycles.

P R I C E S		APPROX. WEIGHT Kgs.				P U L L E Y			Approx. Shipping Displacement cm.
Extra for 6 terminals £ s. d.	Packing Motor	Motor		Slides		Diam. m/m		Face m/m	
		nett	gross	nett	gross	Standard	min.		
9. 2.—	53/—	790	890	70	84	500	400	280	84×100×125
10. 5.—	53/—	870	995	85	100	500	450	300	84×100×125
11. 8.—	66/—	1065	1180	100	115	550	440	320	92×110×140
13.14.—	85/—	1455	1630	140	160	600	500	350	92×110×170

Two and three phase squirrel cage motors 25 cycles.

Type	HP	R.P.M. full load	MAX. VOLTS		P. F. % 1/1 load	Eff. % 1/1 load	P R I C E S		
			Standard 3-phase motors	3-phase motors with 6 terminals and 2-phase motors			Motor £ s. d.	Standard Pulley £ s. d.	Slides £ s. d.
D 2	.1	440			65	60	19. 5.—		
	.15	670	220	165	72	65	18.14.—	0.8.—	—
	.25	1300			80	68	19.18.—		
D 3	.15	450			70	75	22. 0.—		
	.3	690	380	285	76	70	21. 6.—	0.8.—	—
	.5	1350			82	73	22.10.—		
D 4	.3	460			70	70	23.18.—		
	.5	700	380	285	78	73	23.14.—	0.10.—	—
	.75	1380			82	75	24.10.—		
D 5	.4	465			73	71	25.17.—		
	.65	700	380	285	80	74	24.10.—	0.10.—	—
	1	1390			83	76	26.10.—		
D 6	.6	465			76	73	29. 0.—		
	1	700	380	285	81	75	29. 0.—	0.11.—	2.8.—
	1.5	1400			85	77	31.12.—		
D 7	.8	470			77	75	34. 2.—		
	1.25	710	380	285	82	77	34. 2.—	0.13.—	2.8.—
	2	1400			86	78	37. 8.—		
D 8	1.2	470			78	77	39. 6.—		
	1.5	720	380	285	83	79	39. 6.—	0.18.—	2.14.—
	3	1420			87	80	42.12.—		
D 9	1.6	475			80	78	48. 0.—		
	2.2	720	380	285	84	80	48. 0.—	1.2.—	2.19.—
	5	1430			87	81	51. 5.—		
D 10	2.2	475			82	80	55.10.—		
	3	720	380	285	85.5	81	55.10.—	1.11.—	3.7.—
	6	1440			88	83	61. 0.—		

Two and three phase squirrel cage motors 25 cycles.

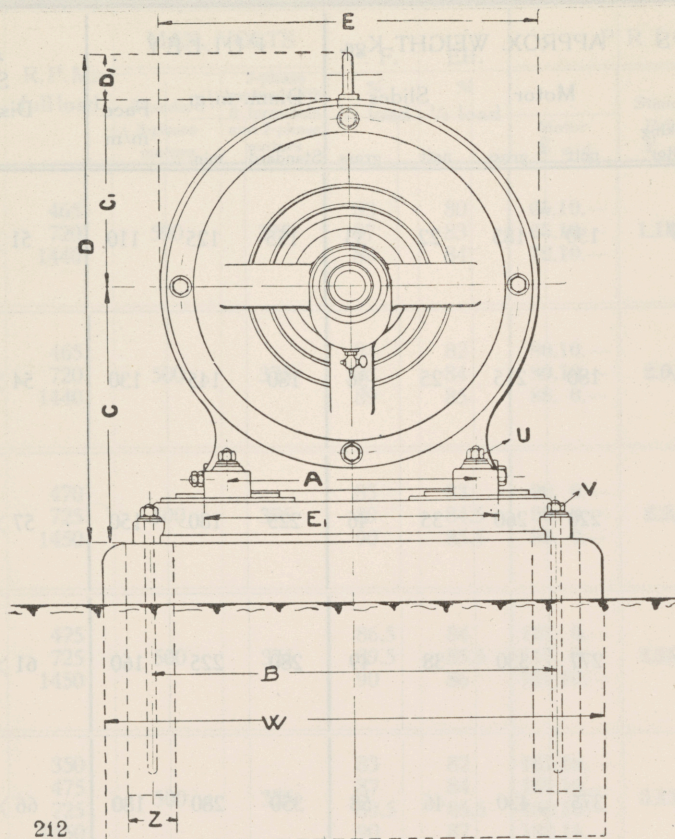
P R I C E S		APPROX. WEIGHT kgs.				P U L L E Y			Approx. Shipping Displacement cm.
Extra for 6 terminals £ s. d.	Packing Motor	Motor		Slides		Diam. m/m		Face m/m	
		nett	gross	nett	gross	Standard	min.		
0.11.—	5/—	17	26	—	—	45	—	35	29 × 29 × 42
0.12.—	7/—	26	40	—	—	60	—	45	31 × 32 × 47
0.13.—	7/—	31	43	—	—	65	30	50	33 × 34 × 48
0.15.—	9/—	34	48	—	—	65	40	50	35 × 40 × 49
0.16.—	9/—	53	73	10	18	75	60	60	39 × 46 × 59
1.1.—	11/—	70	91	10.5	19	85	70	70	41 × 50 × 59
1.4.—	13/—	82	107	12	21	100	80	75	44 × 51 × 63
1.6.—	15/—	101	130	14	24	130	105	90	46 × 54 × 66
1.12.—	18/—	125	158	19	30	145	115	100	48 × 57 × 72

Two and three phase squirrel cage motors 25 cycles.

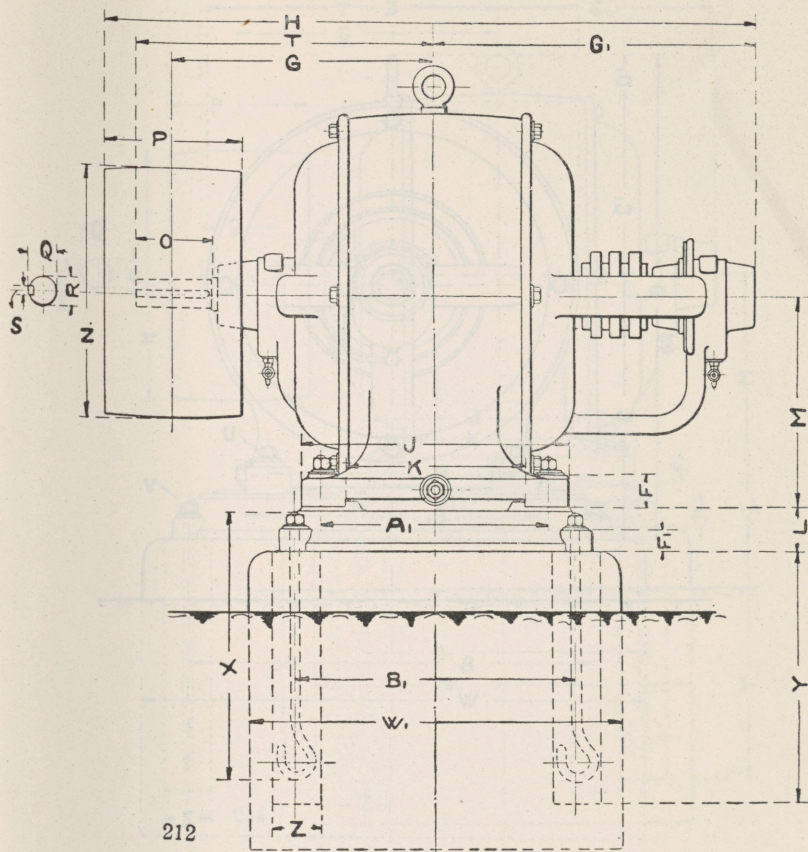
Type	HP	R.P.M. full load	MAX. VOLTS		P. F. % 1/1 load	Eff. % 1/1 load	P R I C E S		
			Standard 3-phase motors	3-phase motors with 6 terminals and 2-phase motors			Motor £ s. d.	Standard Pulley £ s. d.	Slides £ s. d.
D 11	3	465	500	375	83	80	65.10.—	1.13.—	4.3.—
	4	720			87	83	65.10.—		
	7.5	1440			89	84	72.10.—		
D 12	4	465	500	375	84	82	80.10.—	2.0.—	4.16.—
	5.5	720			88	84	80.10.—		
	10	1440			89	85	88. 0.—		
D 13	6.5	470	500	375	85	83	90. 0.—	2.7.—	5.15.—
	8	725			89	84.5	90. 0.—		
	14	1450			90	85.5	99. 0.—		
D 14	8	475	500	375	86.5	84	117. 0.—	2.15.—	6.7.—
	11	725			89.5	85.5	117. 0.—		
	16	1450			90	86	127.10.—		
D 15	9	350	500	375	83	82	167.10.—	3.11.—	7.9.—
	11	475			87	84	167.10.—		
	15	725			89.5	85.5	180.10.—		
	18	1450			90	87	183.15.—		
D 16	13	355	500	375	84	84	202. 0.—	4.12.—	8.19.—
	17	480			88	85	202. 0.—		
	20	725			90	86.5	213.10.—		
D 17	17	355	500	375	85	85	241. 5.—	5.2.—	10.8.—
	22	480			88	86	241. 5.—		
	27	725			90	88	257.10.—		
D 18	30	360	500	375	87	86	318. 0.—	6.16.—	13.4.—
	36	480			88.5	88	318. 0.—		
	42	730			90	89.5	339.10.—		
D 18 1/2	27	285	500	375	85	85	360. 0.—	7.12.—	14.16.—
	36	360			88	87	360. 0.—		
	45	480			89	89	387.10.—		

Two and three phase squirrel cage motors 25 cycles.

P R I C E S		APPROX. WEIGHT Kgs.				P U L L E Y			Approx. Shipping Displacement cm.
Extra for 6 terminals £ s. d.	Packing Motor	Motor		Slides		Diam. m/m		Face m/m	
		nett	gross	nett	gross	Standard	min.		
1.13.—	20/—	150	183	22	33	155	125	110.	51 × 60 × 75
2.1.—	20/—	180	215	25	36	180	145	130	54 × 63 × 81
2.12.—	22/—	220	260	35	46	225	180	150	57 × 66 × 85
3.6.—	27/—	277	330	38	49	280	225	160	61 × 72 × 89
4.16.—	31/—	375	430	46	58	350	280	180	66 × 77 × 96
5.12.—	37/—	455	535	55	68	390	310	225	73 × 83 × 106
6.16.—	44/—	610	702	64	77	450	360	225	76 × 90 × 112
9.2.—	53/—	790	890	70	84	500	400	280	84 × 100 × 125
10.5.—	53/—	870	995	85	100	500	450	300	84 × 100 × 125

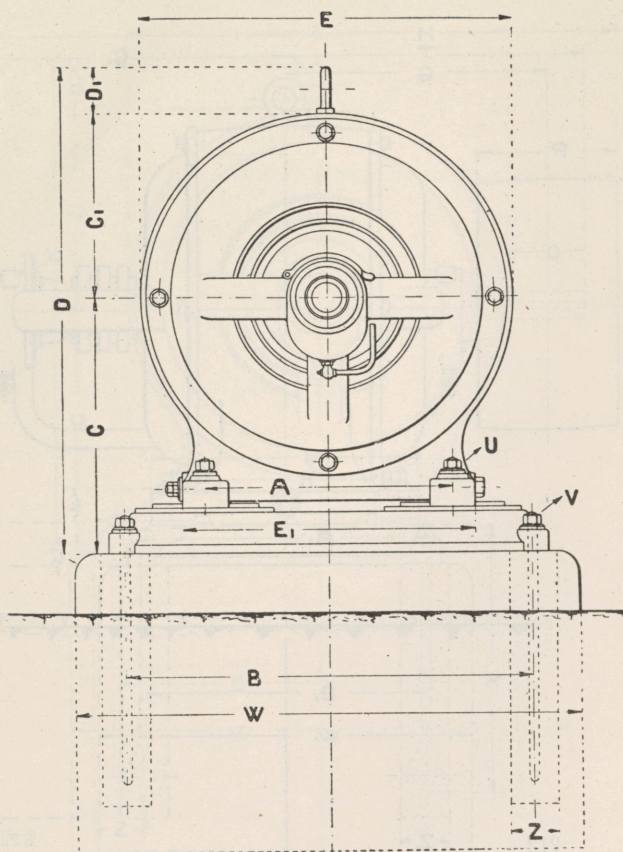


TYPE	A	A ₁	B	B ₁	C	C ₁	D	D ₁	E	E ₁	F	F ₁	G	G ₁	H	J
D 6	230	190	380	260	215	147.5	408.5	46	295	270	20	25	222.5	255	507.5	220
D 7	240	205	400	280	230	157	434	47	314	285	22	25	235	281	551	235
D 8	245	220	415	290	245	170	462	47	340	295	28	25	242	293	572.5	250
D 9	245	225	435	300	258	180	493	55	360	300	28	30	254	307	606	265
D 10 & 10½	260	240	460	320	280	192.5	527.5	55	385	320	32	35	279.5	323	652.5	290
D 11	270	260	485	340	300	205	560	55	410	335	35	40	299	342	696	305
D 12	300	275	500	355	315	220	595	60	440	360	40	40	319.5	388	772.5	330
D 13	330	315	585	415	338	235	633	60	470	395	40	40	337	398	810	365
D 14	365	330	630	430	370	255	700	75	510	435	50	40	360	440	880	380
D 15	400	340	675	440	400	282.5	757.5	75	565	475	50	40	392	493	975	390
D 16	430	360	715	470	430	302.5	817.5	85	605	510	55	40	437.5	575	1125	430
D 17	440	420	760	520	455	330	875	90	660	520	55	40	470.5	578	1161	490
D 18 & 18½	490	460	815	560	510	370	985	105	740	580	60	45	522.5	640	1302.5	530
D 19	540	550	1030	670	555	410	1090	125	820	640	65	50	586.5	706	1452.5	635
D 20	540	620	1030	740	555	410	1090	125	820	640	65	50	677.5	741	1593.5	705



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Type	K	L	M	N	O	P	Q	R	S	T	U	V	X	Y	Z	W	W ₁
D 6	140	45	170	75	48	60	22.0	3/4"	6	248	3/8"	3/8"	250	250	60	480	360
D 7	150	45	185	85	53	70	25.2	7/8"	6	263	7/16"	7/16"	250	250	60	500	380
D 8	160	50	195	100	53	75	25.2	7/8"	6	270	7/16"	7/16"	250	250	60	515	390
D 9	170	50	208	130	58	90	29.6	1"	8	284.5	7/16"	7/16"	250	250	60	535	400
D 10 & 10 1/2	180	55	225	145	63	100	32.8	1 1/8"	8	312.5	1/2"	1/2"	300	300	60	560	420
D 11	195	60	240	155	68	110	33	1 1/8"	8	334.5	1/2"	1/2"	300	300	60	585	440
D 12	215	60	255	180	78	130	36	1 1/4"	12	360	1/2"	1/2"	300	300	60	600	450
D 13	240	65	273	225	93	150	39.5	1 3/8"	12	385	5/8"	5/8"	400	400	80	700	530
D 14	240	75	295	280	98	160	42	1 1/2"	12	413	5/8"	5/8"	400	400	80	700	565
D 15	250	80	320	350	103	180	47	1 5/8"	16	445	5/8"	5/8"	400	400	80	845	600
D 16	290	80	350	390	128	225	50.5	1 3/4"	16	503	3/4"	3/4"	500	500	100	890	650
D 17	340	80	375	450	128	225	56.5	2"	16	536	3/4"	3/4"	500	500	100	940	700
D 18 & 18 1/2	360	90	420	500	158	280	63	2 1/4"	16	603	3/4"	3/4"	500	500	100	1000	750
D 19	455	90	465	550	158	320	69	2 1/2"	16	667	3/4"	3/4"	600	600	120	1260	900
D 20	525	90	465	600	200	350	91	3 3/8"	25	780	3/4"	3/4"	600	600	120	1280	970



TYPE	A	A ₁	B	B ₁	C	C ₁	D	D ₁	E	E ₁	F	F ₁	G	G ₂	H ₁	J
D 2	135	135	—	—	—	92.5	192.5	—	185	165	14	—	134.5	119	271	160
D 3	158	160	—	—	—	107.5	223.5	—	212	190	17	—	160	139	321.5	190
D 4	185	165	—	—	—	117.5	242.5	—	235	215	17	—	169.5	145	339.5	195
D 5	190	175	—	—	—	127	308	46	254	224	17	—	171.5	151	347.5	204
D 6	230	190	380	260	215	147.5	408.5	46	295	270	20	25	222.5	193	445.5	220
D 7	240	205	400	280	230	157	434	47	314	285	22	25	235	202	472	235
D 8	245	220	415	290	245	170	462	47	340	295	28	25	242	208	487.5	250
D 9	245	225	435	300	258	180	493	55	360	300	28	30	254	219	518	265
D 10 & 10 ¹ / ₂	260	240	460	320	280	192.5	527.5	55	385	320	32	35	279.5	242	571.5	290
D 11	270	260	485	340	300	205	560	55	410	335	35	40	294	257	606	305
D 12	300	275	500	355	315	220	595	60	440	360	40	40	319.5	279	663.5	330
D 13	330	315	585	415	338	235	633	60	470	395	40	40	337	287	699	365
D 14	365	330	630	430	370	255	700	75	510	435	50	40	360	308	748	380
D 15	400	340	675	440	400	282.5	757.5	75	565	475	50	40	392	335	817	390
D 16	430	360	715	470	430	302.5	817.5	85	605	510	55	40	437.5	364	914	430
D 17	440	420	760	520	455	330	875	90	660	520	55	40	470.5	396	979	490
D 18 & 18 ¹ / ₂	490	460	815	560	510	370	985	105	740	580	60	45	522.5	438	1100.5	530
D 19	550	550	1030	670	555	410	1090	125	820	640	65	50	586.5	499	1245.5	635
D 20	540	620	1050	740	565	410	1100	125	820	640	65	50	730	535	1440	705

