



## APPLICATIONS:

- Fans & Blowers
- Pumps
- Compressors
- HVAC Equipment
- Fire Pumps\*



## FEATURES:

- Output Range: 1 - 800 HP
- Speed: 3600, 1800 & 1200 RPM
- Enclosure: Open Drip Proof (IP22)
- Voltage: 230/460V (Usable on 208V); 150HP and Larger is 460V Only<sup>(1)</sup>
- Three Phase, 60 Hz, 1.15 Service Factor (Continuous); 50 Hz, 1.0 Service Factor (Continuous)
- Class F Insulation
- Class B Temperature Rise
- NEMA Design B Torques
- Cast Iron Frame and End Brackets
- Rolled Steel Main Conduit Box
- Grounding Terminal Inside Main Conduit Box
- Oversized Main Conduit Box Rotatable in 90 Degree Increments - F1 Mounted
- Designed for 40°C Ambient Temperature<sup>(2)</sup>
- Designed for 3300 ft. Elevation<sup>(3)</sup>
- Bi-Directional Rotation
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Light Gray - Munsell N5.0
- Double Shielded Bearings Pre-Packed with MULTEMP SRL for F# 140T - 280T (Non-regreasable)
- High Quality Ball (or Roller) Bearings regreasable with Mobil Polyrex™ EM for F# 280TS and Larger
- Labyrinth Type Metal Flinger on Both Ends for F# 280TS and Larger
- Cast Iron Inner and Outer Bearing Caps for F#280TS and Larger
- Stainless Steel Nameplate
- New Dual Column Design Nameplate as Standard (60/50 Hz)
- Suitable for Inverter Use per NEMA MG-1 Part 31.4.4.2<sup>(4,5)</sup>
- Inverter Duty Speed Range: 20:1 Variable Torque, 10:1 Constant Torque
- 9 Leads for 5 HP and Smaller;
- 12 Leads for 7.5 HP to 125 HP;
- 6 Leads for 150 HP and Larger
- Motors are U.L. Recognized, CSA Approved and CE Marked

## EXTRAS/ OPTIONS:

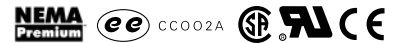
Please refer to pages 147 - 154 for common modifications that can be performed.

### Notes:

\* Fire Pump available. See product page for more details.

- (1) Available in 575V. TWMC carries minimal 575V stock; please check availability to ensure required motors are in stock.  
Ratings may be available from our Canadian warehouses and/or our factory. Pricing and leadtime may vary.
- (2) Consult a Stock Product Application Specialist for suitability in higher ambient environments.
- (3) Consult a Stock Product Application Specialist for suitability in higher elevations.
- (4) Motor service factor is 1.0 when operated on a VFD.
- (5) Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG-1, Part 31.

# CAST IRON ODP



ASHH, NEMA PREMIUM [DHP]\*

Effective 07-08-18  
Supercedes 03-24-17

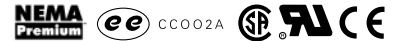


CATALOG NO.	HP	RPM	FRAME	FL EFF (%)	FL PF (%)	FL AMPS (460/575V)	APPROX. SHIPPING WT. (lbs.)
DHP0014	1	1800	143T	85.5	78.0	1.41	54
DHP00145	1	1800	143T	85.5	78.0	1.13	54
DHP0016	1	1200	145T	82.5	65.5	1.74	75
DHP00165	1	1200	145T	82.5	65.5	1.39	75
DHP1/52	1.5	3600	143T	85.5	80.0	2.06	50
DHP1/525	1.5	3600	143T	85.5	80.0	1.65	50
DHP1/54	1.5	1800	145T	86.5	80.5	2.02	60
DHP1/545	1.5	1800	145T	86.5	80.5	1.62	60
DHP1/56	1.5	1200	182T	87.5	63.0	2.55	123
DHP1/565	1.5	1200	182T	87.5	63.0	2.04	123
DHP0022	2	3600	145T	85.5	84.5	2.59	57
DHP00225	2	3600	145T	85.5	84.5	2.07	57
DHP0024	2	1800	145T	86.5	79.5	2.72	58
DHP00245	2	1800	145T	86.5	79.5	2.18	58
DHP0026	2	1200	184T	87.5	71.0	3.01	130
DHP00265	2	1200	184T	87.5	71.0	2.40	130
DHP0032	3	3600	145T	87.5	87.0	3.69	66
DHP00325	3	3600	145T	87.5	87.0	2.95	66
DHP0034	3	1800	182T	89.5	81.0	3.88	117
DHP00345	3	1800	182T	89.5	81.0	3.10	117
DHP0036	3	1200	213T	88.5	77.0	4.12	183
DHP00365	3	1200	213T	88.5	77.0	3.30	183
DHP0052	5	3600	182T	87.5	91.0	5.90	120
DHP00525	5	3600	182T	87.5	91.0	4.72	120
DHP0054	5	1800	184T	89.5	84.5	6.19	145
DHP00545	5	1800	184T	89.5	84.5	4.95	145
DHP0056	5	1200	215T	89.5	79.0	6.62	195
DHP00565	5	1200	215T	89.5	79.0	5.30	195
DHP7/52	7.5	3600	184T	88.5	91.5	8.65	134
DHP7/525	7.5	3600	184T	88.5	91.5	6.92	134
DHP7/54	7.5	1800	213T	91.0	86.0	8.97	187
DHP7/545	7.5	1800	213T	91.0	86.0	7.18	187
DHP7/56	7.5	1200	254T	90.2	79.0	9.85	260
DHP7/565	7.5	1200	254T	90.2	79.0	7.88	260
DHP0102	10	3600	213T	90.2	88.0	11.8	190
DHP01025	10	3600	213T	90.2	88.0	14.75	190
DHP0104	10	1800	215T	91.7	87.0	11.7	215
DHP01045	10	1800	215T	91.7	87.0	9.36	215
DHP0106	10	1200	256T	91.7	81.0	12.6	329
DHP01065	10	1200	256T	91.7	81.0	10.08	329
DHP0152	15	3600	215T	90.2	87.5	17.8	220
DHP01525	15	3600	215T	90.2	87.5	14.24	220
DHP0154	15	1800	254T	93.0	84.5	17.9	247
DHP01545	15	1800	254T	93.0	84.5	14.32	247
DHP0156	15	1200	284T	91.7	83.0	18.5	367
DHP01565	15	1200	284T	91.7	83.0	14.8	367

**Notes:**

- \* Fire Pump available as made to order. Fire Pump Certificate complies with ANSI/UL 1004-5. Certificate# 20120717 – EX6569.
- (1) Delivery for Fire Pump Duty motor (Catalog Number + FP) is standard 5 - 10 working days after receipt of order if standard motor is in stock.
- (2) Fire Pump Duty Motor pricing includes: adding UL nameplate, restamping original nameplate to new "DHP\_FP" catalog number.
- (3) To order 575V, add "5" to the end of Catalog Number, for example: "DHP00545" for 5 HP, 1800 RPM, 575V.
- (4) "R" = Motor stocked standard with a Drive-End Roller Bearing.
- (5) Ratings 150 HP and larger are 460V only.
- (6) All data subject to change without notice.

# CAST IRON ODP



ASHH, NEMA PREMIUM [DHP]\*

Effective 07-08-18  
Supersedes 03-24-17



CATALOG NO.	HP	RPM	FRAME	FL EFF (%)	FL PF (%)	FL AMPS (460/575V)	APPROX. SHIPPING WT. (lbs.)	
DHP0202	20	3600	254T	91.0	90.5	22.8	233	
DHP02025	20	3600	254T	91.0	90.5	18.24	233	
DHP0204	20	1800	256T	93.0	86.5	23.3	350	
DHP02045	20	1800	256T	93.0	86.5	18.64	350	
DHP0206	20	1200	286T	92.4	83.5	24.3	392	
DHP02065	20	1200	286T	92.4	83.5	19.44	392	
DHP0252	25	3600	256T	91.7	92.0	27.7	317	
DHP02525	25	3600	256T	91.7	92.0	22.16	317	
DHP0254	25	1800	284T	93.6	87.0	28.7	352	
DHP02545	25	1800	284T	93.6	87.0	22.96	352	
DHP0256	25	1200	324T	93.0	83.0	30.3	640	
DHP02565	25	1200	324T	93.0	83.0	24.24	640	
DHP0302	30	3600	284TS	92.4	90.5	33.6	405	
DHP03025	30	3600	284TS	92.4	90.5	26.88	405	
DHP0304	30	1800	286T	94.1	87.0	34.3	429	
DHP03045	30	1800	286T	94.1	87.0	27.44	429	
DHP0306	30	1200	326T	93.6	83.5	35.9	568	
DHP03065	30	1200	326T	93.6	83.5	28.72	568	
DHP0402	40	3600	286TS	92.4	91.5	44.3	442	
DHP04025	40	3600	286TS	92.4	91.5	35.44	442	
DHP0404	40	1800	324T	94.1	86.0	46.3	608	
DHP04045	40	1800	324T	94.1	86.0	37.04	608	
DHP0406	40	1200	364T	94.1	87.0	45.7	835	
DHP04065	40	1200	364T	94.1	87.0	36.56	835	
DHP0502	50	3600	324TS	93.0	86.0	58.5	552	
DHP05025	50	3600	324TS	93.0	86.0	46.8	552	
DHP0504	50	1800	326T	94.5	85.0	58.3	629	
DHP05045	50	1800	326T	94.5	85.0	46.64	629	
DHP0506	50	1200	365T	94.1	86.0	57.8	766	
DHP05065	50	1200	365T	94.1	86.0	46.24	766	
DHP0602	60	3600	326TS	93.6	87.0	69.0	614	
DHP06025	60	3600	326TS	93.6	87.0	55.2	614	
DHP0604	60	1800	364T	95.0	85.0	69.6	735	
DHP06045	60	1800	364T	95.0	85.0	55.68	735	
DHP0606	60	1200	404T	94.5	85.5	69.5	1,100	
DHP06065	60	1200	404T	94.5	85.5	55.6	1,100	
DHP0752	75	3600	364TS	94.1	90.5	82.5	704	
DHP07525	75	3600	364TS	94.1	90.5	66	704	
DHP0754	75	1800	365T	95.0	86.0	86.0	850	
DHP07545	75	1800	365T	95.0	86.0	68.8	850	
DHP0754R	75	1800	365T	95.0	86.0	86.0	850	
DHP07545R	75	1800	365T	95.0	86.0	68.8	850	
DHP0756	75	1200	405T	94.5	86.5	86.0	1,210	
DHP07565	75	1200	405T	94.5	86.5	68.8	1,210	
DHP0756R	75	1200	405T	94.5	86.5	86.0	1,210	
DHP07565R	75	1200	405T	94.5	86.5	68.8	1,210	

**Notes:**

- \* Fire Pump available as made to order. Fire Pump Certificate complies with ANSI/UL 1004-5. Certificate# 20120717 – EX6569.
- (1) Delivery for Fire Pump Duty motor (Catalog Number + FP) is standard 5 - 10 working days after receipt of order if standard motor is in stock.
- (2) Fire Pump Duty Motor pricing includes: adding UL nameplate, restamping original nameplate to new "DHP\_FP" catalog number.
- (3) To order 575V, add "5" to the end of Catalog Number, for example: "DHP00545" for 5 HP, 1800 RPM, 575V.
- (4) "R" = Motor stocked standard with a Drive-End Roller Bearing.
- (5) Ratings 150 HP and larger are 460V only.
- (6) All data subject to change without notice.

# CAST IRON ODP

ASHH, NEMA PREMIUM [DHP]\*

Effective 07-08-18  
Supercedes 03-24-17

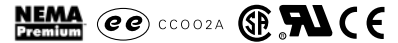


CATALOG NO.	HP	RPM	FRAME	FL EFF (%)	FL PF (%)	FL AMPS (460/575V)	APPROX. SHIPPING WT. (lbs.)
DHP1002	100	3600	365TS	94.1	90.5	110	761
DHP10025	100	3600	365TS	94.1	90.5	88	761
DHP1004	100	1800	404T	95.4	85.5	115	961
DHP10045	100	1800	404T	95.4	85.5	92	961
DHP1004R	100	1800	404T	95.4	85.5	115	961
DHP10045R	100	1800	404T	95.4	85.5	92	961
DHP1006	100	1200	444T	95.0	82.0	120	1,350
DHP10065	100	1200	444T	95.0	82.0	96	1,350
DHP1006R	100	1200	444T	95.0	82.0	120	1,350
DHP10065R	100	1200	444T	95.0	82.0	96	1,350
DHP1252	125	3600	404TS	94.1	90.5	137	907
DHP12525	125	3600	404TS	94.1	90.5	110	907
DHP1254	125	1800	405T	95.4	84.5	145	1,109
DHP12545	125	1800	405T	95.4	84.5	116	1,109
DHP1254R	125	1800	405T	95.4	84.5	145	1,109
DHP12545R	125	1800	405T	95.4	84.5	116	1,109
DHP1256	125	1200	445T	95.0	82.0	150	1,605
DHP12565	125	1200	445T	95.0	82.0	120	1,605
DHP1256R	125	1200	445T	95.0	82.0	150	1,605
DHP12565R	125	1200	445T	95.0	82.0	120	1,605
DHP1502	150	3600	405TS	94.5	90.5	164	1,003
DHP15025	150	3600	405TS	94.5	90.5	131	1,003
DHP1504	150	1800	444T	95.8	86.0	170	1,540
DHP15045	150	1800	444T	95.8	86.0	136	1,540
DHP1504R	150	1800	444T	95.8	86.0	170	1,540
DHP15045R	150	1800	444T	95.8	86.0	136	1,540
DHP1506	150	1200	445T	95.4	82.5	178	1,705
DHP15065	150	1200	445T	95.4	82.5	142	1,705
DHP1506R	150	1200	445T	95.4	82.5	178	1,705
DHP15065R	150	1200	445T	95.4	82.5	142	1,705
DHP2002	200	3600	444TS	95.0	88.5	223	1,324
DHP20025	200	3600	444TS	95.0	88.5	178	1,324
DHP2004	200	1800	445T	95.8	86.5	226	1,577
DHP20045	200	1800	445T	95.8	86.5	181	1,577
DHP2006	200	1200	447T	95.4	83.0	236	2,010
DHP20065	200	1200	447T	95.4	83.0	189	2,010
DHP2006R	200	1200	447T	95.4	83.0	236	2,010
DHP20065R	200	1200	447T	95.4	83.0	189	2,010

**Notes:**

- \* Fire Pump available as made to order. Fire Pump Certificate complies with ANSI/UL 1004-5. Certificate# 20120717 – EX6569.
- (1) Delivery for Fire Pump Duty motor (Catalog Number + FP) is standard 5 - 10 working days after receipt of order if standard motor is in stock.
- (2) Fire Pump Duty Motor pricing includes: adding UL nameplate, restamping original nameplate to new "DHP\_FP" catalog number.
- (3) To order 575V, add "5" to the end of Catalog Number, for example: "DHP00545" for 5 HP, 1800 RPM, 575V.
- (4) "R" = Motor stocked standard with a Drive-End Roller Bearing.
- (5) Ratings 150 HP and larger are 460V only.
- (6) All data subject to change without notice.

# CAST IRON ODP



ASHH, NEMA PREMIUM [DHP]\*

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Supersedes 03-24-17

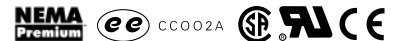


CATALOG NO.	HP	RPM	FRAME	FL EFF (%)	FL PF (%)	FL AMPS (460/575V)	APPROX. SHIPPING WT. (lbs.)
DHP2502	250	3600	445TS	95.0	88.5	278	1,470
DHP25025	250	3600	445TS	95.0	88.5	222	1,470
DHP2504	250	1800	447T	95.8	87.0	281	1,806
DHP25045	250	1800	447T	95.8	87.0	225	1,806
DHP2504R	250	1800	447T	95.8	87.0	281	1,806
DHP25045R	250	1800	447T	95.8	87.0	225	1,806
DHP2506	250	1200	449T	95.8	83.0	296	2,420
DHP25065	250	1200	449T	95.8	83.0	237	2,420
DHP2506R	250	1200	449T	95.8	83.0	296	2,420
DHP25065R	250	1200	449T	95.8	83.0	237	2,420
DHP3002	300	3600	445TS	95.4	89.0	331	1,535
DHP30025	300	3600	445TS	95.4	89.0	265	1,320
DHP3004	300	1800	449T	95.8	87.5	335	2,140
DHP30045	300	1800	449T	95.8	87.5	268	2,140
DHP3006	300	1200	449T	95.4	87.0	338	2,615
DHP30065	300	1200	449T	95.4	87.0	338	2,615
DHP3502	350	3600	447TS	95.4	90.0	382	1,840
DHP35025	350	3600	447TS	95.4	90.0	306	1,590
DHP3504	350	1800	449T	95.8	87.5	391	2,310
DHP35045	350	1800	449T	95.8	87.5	313	2,310
DHP3506	350	1200	5009B	95.4	85.0	404	3,715
DHP35065	350	1200	5009B	95.4	85.0	323	3,715
DHP4002	400	3600	449TS	95.8	90.0	434	2,037
DHP40025	400	3600	449TS	95.8	90.0	347	2,055
DHP4004	400	1800	449T	95.8	87.7	446	2,445
DHP40045	400	1800	449T	95.8	87.7	357	2,445
DHP4006	400	1200	5009B	95.8	84.5	463	3,835
DHP40065	400	1200	5009B	95.8	84.5	370	3,835
DHP4502	450	3600	449TS	95.8	90.5	486	2,125
DHP45025	450	3600	449TS	95.8	90.5	389	2,125
DHP4504	450	1800	5009B	96.2	88.0	498	3,620
DHP45045	450	1800	5009B	96.2	88.0	398	3,620
DHP4506	450	1200	5009B	96.2	84.0	521	3,960
DHP45065	450	1200	5009B	96.2	84.0	416	3,960
DHP5002	500	3600	449TS	95.8	91.2	417	2,225
DHP50025	500	3600	449TS	95.8	91.2	334	2,225
DHP5004	500	1800	5009B	96.2	88.0	553	3,790
DHP50045	500	1800	5009B	96.2	88.0	426	3,790
DHP5006	500	1200	5009B	96.2	84.0	579	4,075
DHP50065	500	1200	5009B	96.2	84.0	463	4,075

**Notes:**

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# CAST IRON ODP



ASHH, NEMA PREMIUM [DHP]\*

Effective 07-08-18  
Supercedes 03-24-17



CATALOG NO.	HP	RPM	FRAME	FL EFF (%)	FL PF (%)	FL AMPS (460/575V)	APPROX. SHIPPING WT. (lbs.)
DHP6002	600	3600	5011A	95.0	87.5	676	3,240
DHP60025	600	3600	5011A	95.0	87.5	541	3,240
DHP6004	600	1800	5011B	96.2	87.8	665	3,650
DHP60045	600	1800	5011B	96.2	87.8	532	3,650
DHP6006	600	1200	5011B	95.8	82.6	710	4,250
DHP60065	600	1200	5011B	95.8	82.6	568	4,250
DHP6006R	600	1200	5011B	95.8	82.6	710	4,250
DHP60065R	600	1200	5011B	95.8	82.6	568	4,250
DHP7002	700	3600	5012A	95.0	88.3	781	3,610
DHP70025	700	3600	5012A	95.0	88.3	625	3,610
DHP7004	700	1800	5011B	96.2	86.0	792	3,870
DHP70045	700	1800	5011B	96.2	86.0	634	3,870
DHP7006	700	1200	5810B	95.8	82.6	828	6,450
DHP70065	700	1200	5810B	95.8	82.6	662	6,450
DHP8002	800	3600	5012A	95.0	87.9	897	3,610
DHP80025	800	3600	5012A	95.0	87.9	718	3,610
DHP8004	800	1800	5012B	96.2	86.2	903	4,210
DHP80045	800	1800	5012B	96.2	86.2	722	4,210
DHP8004R	800	1800	5012B	96.2	86.2	903	4,210
DHP80045R	800	1800	5012B	96.2	86.2	722	4,210
DHP8006	800	1200	5810B	95.8	82.5	948	6,820
DHP80065	800	1200	5810B	95.8	82.5	758	6,820
DHP8006R	800	1200	5810B	95.8	82.5	948	6,820
DHP80065R	800	1200	5810B	95.8	82.5	758	6,820

**Notes:**

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