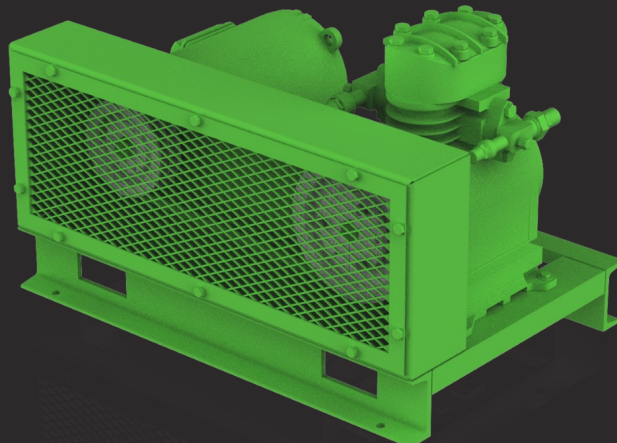
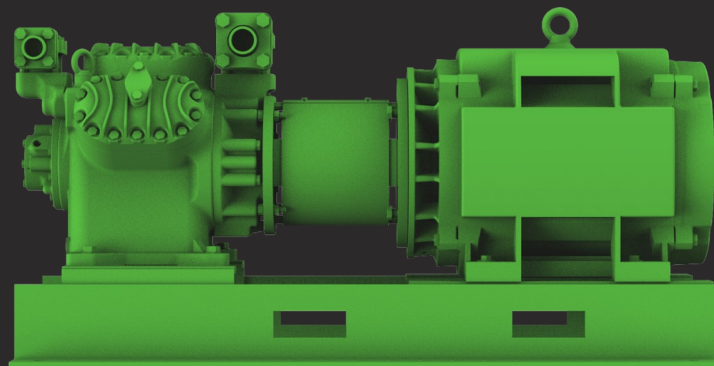
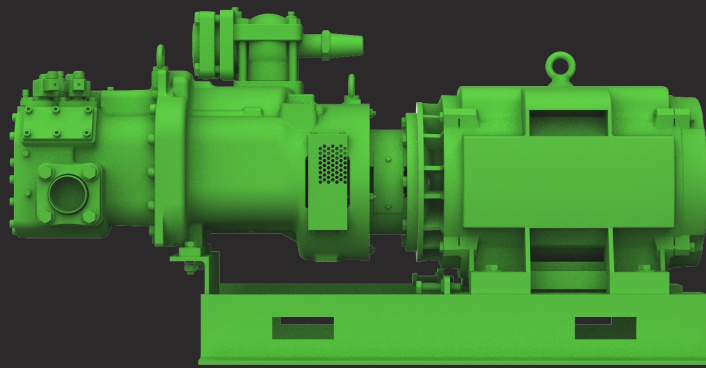




MOTOR COMPRESSOR ASSEMBLIES

SD // RD // RB



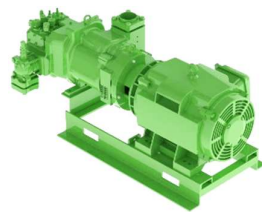


BITZER US Motor Compressor Assemblies

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RD Dimensional Drawings	12
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Additional References for information on BITZER Compressors:



Screw Motor Compressor Assembly (SD)

SP-505 [OS'53 // OS'74]
 SP-510 [OS'85]
 SP-520 [OS'95]



Reciprocating Motor Compressor Assembly (RD)
 Reciprocating Belt Drive Assembly (RB)

KP-525 [2T.2(Y) .. 6F.2(Y) // W2TA .. W6FA]



BITZER Software

www.bitzer-software.com

- Compressor sizing can be done through BITZER software
- Easily accessible via web (no download!)
- No password required!
- Quickly calculates cooling capacities, power inputs, oil separator sizing, and tons more!
- Great resource for quickly finding BITZER documentation



BITZER US Motor Compressor Assemblies

To meet the demands of the industrial refrigeration market, BITZER US fabricates motor compressor assemblies utilizing best-in-class screw and reciprocating compressors. The assemblies are ideal for 'plug-and-play' use of BITZER open drive compressors with pre-assembled, perfectly aligned motors.

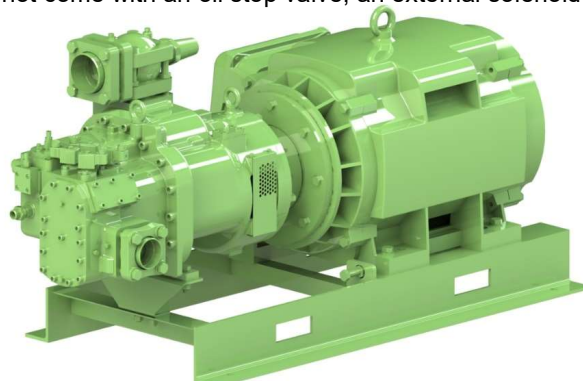
Technical Features

All Assemblies

- Max. pressure (LP/HP): 275 / 400 psi
- Compressors suited for a wide range of refrigerants: HFCs, HFOs, Natural (Ammonia)
- Assemblies use robust steel frame and coupling housing that ensures reliable compressor/motor shaft alignment
- Units are delivered fully assembled and ready for field installation

Screw Compressor

- High-efficiency profile twin rotor screw
- Speed range: 1,450 RPM - 4,000 RPM (4,500 RPM for OS'53A)
- Automatic start unloading and capacity control
 - Control pistons (OS'53: 100/75%; OS'74: 100/75/50%)
 - Slide valve (OS'85: infinite or 3-stage slider control with V_i compensation).
 - Optimized Slide valve (OS'95: infinite capacity control and infinite V_i control.)
- Integrated Control Electronics with protection, auto V_i Control, slide valve position, Modbus comms (OS'95)
- Economizer operation (ECO) capability (OS'85/95: economizer operation with part load as well)
- OS'53/74/95 NH₃ version: oil injection nozzle; oil injection kit must be ordered separately (See TB-008B)
- OS'85: oil injection shut off valve and integrated oil management system (automatic oil stop valve, oil filter, monitoring of oil flow, direction of rotation and oil filter clogging)
- Booster ("B") versions available
 - OSKAB85 does not come with an oil stop valve, an external solenoid valve is required



Reciprocating Compressor

- Highly efficient reciprocating piston design with extremely robust valve plate
- Crankshaft with special surface finish, optimized piston shape and chromium-plated piston rings guarantee low frictional losses and long service life
- Pressure oil lubrication by means of reversible gear pump
- Shaft seal cooled by a pressurized oil stream and also by the return gas flow resulting in excellent stability and thermal load
- Unloading of cylinder heads via blocked suction
- Speed range:
 - 2T.2(Y)/W2TA .. 4G.2(Y)/W4GA: 750 RPM - 1,750 RPM
 - 6H.2(Y)/W6HA .. 6F.2(Y)/W6FA: 900 RPM - 1,750 RPM
- Max. pressure (LP/HP): 275 / 400 psi
- Suction and discharge shut-off valves
- Built-in pressure relief valve for 4G.2(Y)/W4GA...6F.2(Y)/W6FA



Technical Features

Motors

- NEMA premium efficiency C-face motor
- Nominal 3,600 rpm at 60Hz (screw compressors)
- Nominal 1,800 RPM at 60Hz (reciprocating compressors)
- Wide range of motors and compressors combinations available
 - Smaller motor ranges suitable for booster applications
- Enclosure Option:
 - TEFC (Totally Enclosed Fan Cooled) / IP 55 enclosure. Can be used for indoor/outdoor applications. Inverter rated at 20:1 for constant torque.
 - ODP (Open Drip Proof): IP21 / IP23 enclosure, depending on HP. Typically used for indoor applications only. Inverter rated at 4:1 for constant torque (150HP and up rated at 2:1)
- Standard configurations use Baldor motors, WEG motors available upon request
 - Equipped with thermistors and heaters embedded in windings
- Recommended for use with VFD:
 - NEMA Frames 404/5 and larger: Insulated bearings and grounding of the shaft through Aegis ring
 - NEMA Frames 364/5 and smaller: Grounding of the shaft through Aegis ring

Assembly (SD & RD)

- Compressor and motor mounted on rigid frame and connected via a direct drive coupling and coupling housing.
- Standard Frame (OS'53/74/85 and reciprocating compressors):
 - Rigid structural steel frame (*6 x 3.5 x 3/8" angle base*)
 - Forklift holes for ease of transportation
 - Mounting holes
- Heavy Duty Frame
 - Contact factory for item number configuration for OS'53/74/85 and reciprocating compressors. Standard for OS'95
 - 6 x 3 x 3/8" Rectangular structural tubing base (in lieu of angle base). Must be welded in place.
- Robust direct drive couplings and coupling housings

Assembly (RB)

- Compressor and motor mounted on rigid frame and connected via pulley, flywheel, and belts.
 - Wide range of pulleys allows many compressor speed options
- Motor sits on a motor base for easy tensioning of belts
- Sturdy steel guard with diamond mesh allows safe operation with viewing access
- Frame:
 - Rigid structural steel frame
 - Forklift holes for ease of transportation

Note: This document replaces VP-100-6, VP-110-3 and VP-120-2.



Model Number Designation

S	D	7	4	7	1	K	1	0	0	2	L	A
---	---	---	---	---	---	---	---	---	---	---	---	---

Model

S = Screw compressor

R = Reciprocating compressor

S	D	7	4	7	1	K	1	0	0	2	L	A
---	---	---	---	---	---	---	---	---	---	---	---	---

Drive type

D = Direct drive

B = Belt drive

S	D	7	4	7	1	K	1	0	0	2	L	A
---	---	---	---	---	---	---	---	---	---	---	---	---

Compressor model

E.g.: 5341, 7471, W4GA, ...

S	D	7	4	7	1	K	1	0	0	2	L	A
---	---	---	---	---	---	---	---	---	---	---	---	---

Application range (SD only)

N = Low temperature application

K = Medium/high temperature application

H = High temperature application

B = Booster application

RD and RB

Use dash (-) as a placeholder

E.g.: RDW4GA-0757LA

S	D	7	4	7	1	K	1	0	0	2	L	A
---	---	---	---	---	---	---	---	---	---	---	---	---

Horsepower

3 digits required

S	D	7	4	7	1	K	1	0	0	2	L	A
---	---	---	---	---	---	---	---	---	---	---	---	---

Voltage and motor type - 3 Phase

1 = 208-230/3/60; TEFC/IP55

2 = 208/230-460/3/60; TEFC/IP55

4 = 440-480/3/60; TEFC/IP55

5 = 575/3/60; TEFC/IP55

6 = 208-230/3/60; ODP/IP23

7 = 208/230-460/3/60; ODP/IP23

8 = 440-480/3/60; ODP/IP23

9 = 575/3/60; ODP/IP23

X = 440-480/3/70 TEFC

Voltage and motor type - Single Phase

K = 230/1/60 TEFC (1800 RPM)

M = 230/1/60 ODP (1800 RPM)

P = 115/1/60 TEFC

Q = 115/1/60 ODP

S	D	7	4	7	1	K	1	0	0	2	L	A
---	---	---	---	---	---	---	---	---	---	---	---	---

Terminal box mount (looking at the shaft)

L = Left mount

R = Right mount

T = Top mount

S	D	7	4	7	1	K	1	0	0	2	L	A
---	---	---	---	---	---	---	---	---	---	---	---	---

Variant

A = Ammonia (NH₃) compressor

Note: Additional suffix may exist for BOM variations



SD Compressor/Motor Horsepower Combinations

Compressor Model Series	TEFC Motor (HP)	ODP Motor (HP)	Compressor Shaft Diameter	Motor Shaft Diameter	Drive Package Part Number	Coupling Type	CFM Range	
OS'53 Series	25	30	34 mm	1-5/8"	A810-6918-01	KS-620	59-84	
	30	40						
	40	50						
	50	60						
	60	75						
	75	100						
OS'74 Series	25	30	48 mm	1-5/8"	A810-6920-02	KS-720	117-178	
	30	40						
	40	50						
	50	60		1-7/8"	A810-6920-01	KS-730		
	60	75						
	75	100						
	100	125		2-1/8"	A810-6920-04			
150	150							
OS'85 Series	60	75	48 mm	1-7/8"	A810-6920-06	KS-800	224-377	
	75	100						
	100	125						
	150	150						
	125	200			2-3/8"			A810-6920-07
	150	250			2-3/8"			A810-6920-07
	200	300			2-3/8"			A810-6920-07
	250	350			2-3/8"			A810-6920-07
OS'95 Series	125	125	67 mm	2-3/8"	A810-6920-05	KS-900	597-721	
	150	150						
	200	200						
	250	250						
	300	300						
	350	350						
	400	400						

Motor Data – TEFC OS '53 and OS '74

Compressor Model Series	HP	KW	Rated Speed	Service Factor	FL Amps (A)	Locked Rotor Current (l/l/n)	FL Efficiency (%)	Full Load Torque (ft.lb)	Ambient Temperature (°F)
OS'53 Series	20	15	3520	1.25	23.2	6.0	91.0	29.4	-4°F - +104°F
	25	18.5	3535	1.25	28.5	6.3	91.7	36.6	-4°F - +104°F
	30	22	3535	1.25	33.8	6.3	91.7	44.0	-4°F - +104°F
	40	30	3555	1.25	45.8	6.4	92.4	58.3	-4°F - +104°F
	50	37	3550	1.25	56.1	6.2	93.0	73.0	-4°F - +104°F
	60	45	3560	1.25	67.0	6.6	93.6	87.3	-4°F - +104°F
	75	55	3555	1.25	81.9	6.6	93.6	109	-4°F - +104°F
OS'74 Series	30	22	3535	1.25	33.8	6.3	91.7	44.0	-4°F - +104°F
	40	30	3555	1.25	45.8	6.4	92.4	58.3	-4°F - +104°F
	50	37	3550	1.25	56.1	6.2	93.0	73.0	-4°F - +104°F
	60	45	3560	1.25	67.0	6.6	93.6	87.3	-4°F - +104°F
	75	55	3555	1.25	81.9	6.6	93.6	109	-4°F - +104°F
	100	75	3555	1.25	110.0	6.5	94.1	146	-4°F - +104°F
	125	90	3570	1.15	134.0	6.6	95.0	181	-4°F - +104°F
150	110	3570	1.15	161.0	6.5	95.0	218	-4°F - +104°F	

Motor Data - ODP

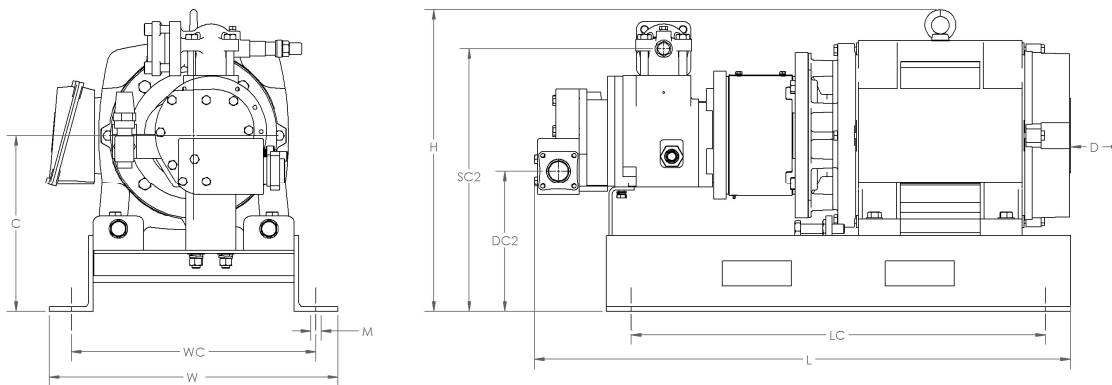
Compressor Model Series	HP	KW	Rated Speed	Service Factor	FL Amps (A)	Locked Rotor Current (I _L /I _n)	FL Efficiency (%)	Full Load Torque (ft.lb)	Ambient Temperature (°F)
OS'53 Series	20	15	3525	1.15	23.8	5.8	91.0	29.4	-4°F - +104°F
	25	18.5	3530	1.15	29.1	6.3	91.7	36.7	-4°F - +104°F
	30	22	3540	1.15	34.7	6.4	92.4	43.9	-4°F - +104°F
	40	30	3535	1.15	47.1	6.4	93.0	58.6	-4°F - +104°F
	50	37	3555	1.15	59.1	6.4	93.6	72.9	-4°F - +104°F
	60	45	3555	1.15	71	6.2	93.6	87.4	-4°F - +104°F
	75	55	3550	1.15	81.5	6.5	94.1	109	-4°F - +104°F
	100	75	3550	1.15	111	6.7	94.5	146	-4°F - +104°F
OS'74 Series	30	22	3540	1.15	34.7	6.4	92.4	43.9	-4°F - +104°F
	40	30	3535	1.15	47.1	6.4	93.0	58.6	-4°F - +104°F
	50	37	3555	1.15	59.1	6.4	93.6	72.9	-4°F - +104°F
	60	45	3555	1.15	71	6.2	93.6	87.4	-4°F - +104°F
	75	55	3550	1.15	81.5	6.5	94.1	109	-4°F - +104°F
	100	75	3550	1.15	111	6.7	94.5	146	-4°F - +104°F
	125	90	3550	1.15	136	6.5	94.5	182	-4°F - +104°F
OS'85 Series	150	110	3555	1.15	162	6.6	94.5	219	-4°F - +104°F
	50	37	3555	1.15	59.1	6.4	93.6	72.9	-4°F - +104°F
	60	45	3555	1.15	71	6.2	93.6	87.4	-4°F - +104°F
	75	55	3550	1.15	81.5	6.5	94.1	109	-4°F - +104°F
	100	75	3550	1.15	111	6.7	94.5	146	-4°F - +104°F
	125	90	3550	1.15	136	6.5	94.5	182	-4°F - +104°F
	150	110	3555	1.15	162	6.6	94.5	219	-4°F - +104°F
	200	150	3575	1.15	223	6.5	95.0	290	-4°F - +104°F
OS'95 Series	250	185	3564	1.15	272	6.0	95.0	363	-4°F - +104°F
	300	220	3536	1.15	322	6.3	95.4	436	-4°F - +104°F
	350	260	3565	1.15	384	6.5	95.4	509	-4°F - +104°F
	125	90	3550	1.15	136	6.5	94.5	182	-4°F - +104°F
	150	110	3555	1.15	162	6.6	94.5	219	-4°F - +104°F
	200	150	3575	1.15	223	6.5	95.0	290	-4°F - +104°F
	250	185	3564	1.15	272	6.0	95.0	363	-4°F - +104°F
400	298	3565	1.15	384	6.5	95.4	581	-4°F - +104°F	

Motor Data – TEFC OS '85 and OS '95

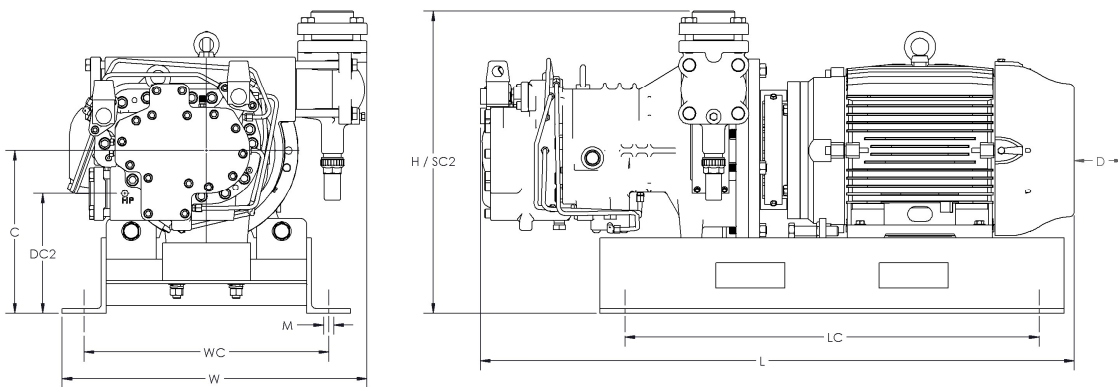
Compressor Model Series	HP	KW	Rated Speed	Service Factor	FL Amps (A)	Locked Rotor Current (I _L /I _n)	FL Efficiency (%)	Full Load Torque (ft.lb)	Ambient Temperature (°F)
OS'85 Series	40	30	3555	1.25	45.8	6.4	92.4	58.3	-4°F - +104°F
	50	37	3550	1.25	56.1	6.2	93.0	73.0	-4°F - +104°F
	60	45	3560	1.25	67.0	6.6	93.6	87.3	-4°F - +104°F
	75	55	3555	1.25	81.9	6.6	93.6	109	-4°F - +104°F
	100	75	3555	1.25	110.0	6.5	94.1	146	-4°F - +104°F
	125	90	3570	1.15	134.0	6.6	95.0	181	-4°F - +104°F
	150	110	3570	1.15	161.0	6.5	95.0	218	-4°F - +104°F
	200	150	3575	1.15	222	6.8	95.4	290	-4°F - +104°F
	250	185	3575	1.15	269	7.0	95.8	362	-4°F - +104°F
OS'95 Series	300	220	3580	1.15	317	6.5	95.8	434	-4°F - +104°F
	350	260	3580	1.15	373	6.6	96.2	507	-4°F - +104°F
	125	90	3570	1.15	134.0	6.6	95.0	181	-4°F - +104°F
	150	110	3570	1.15	161.0	6.5	95.0	218	-4°F - +104°F
	200	150	3575	1.15	222	6.8	95.4	290	-4°F - +104°F
	250	185	3575	1.15	269	7.0	95.8	362	-4°F - +104°F
300	220	3580	1.15	317	6.5	95.8	434	-4°F - +104°F	
350	260	3580	1.15	373	6.6	96.2	507	-4°F - +104°F	
400	298	3580	1.15	373	6.7	96.2	580	-4°F - +104°F	

Dimensional Drawings (SD)

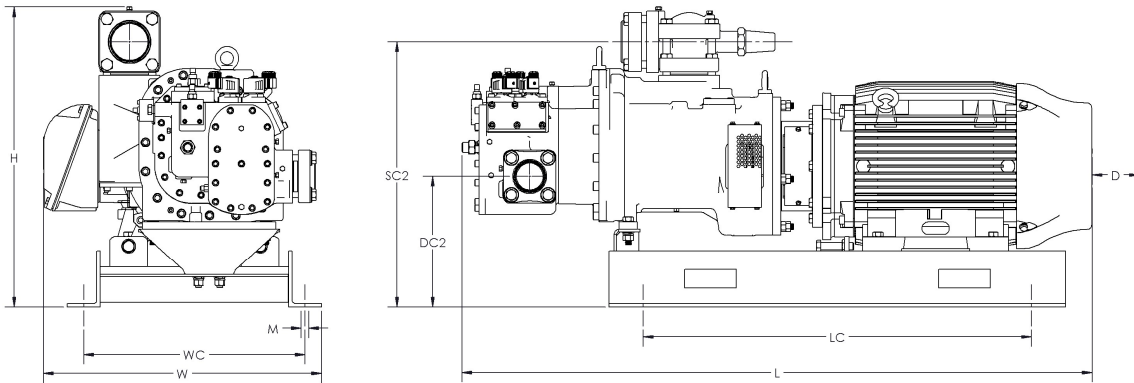
OS'53 Series



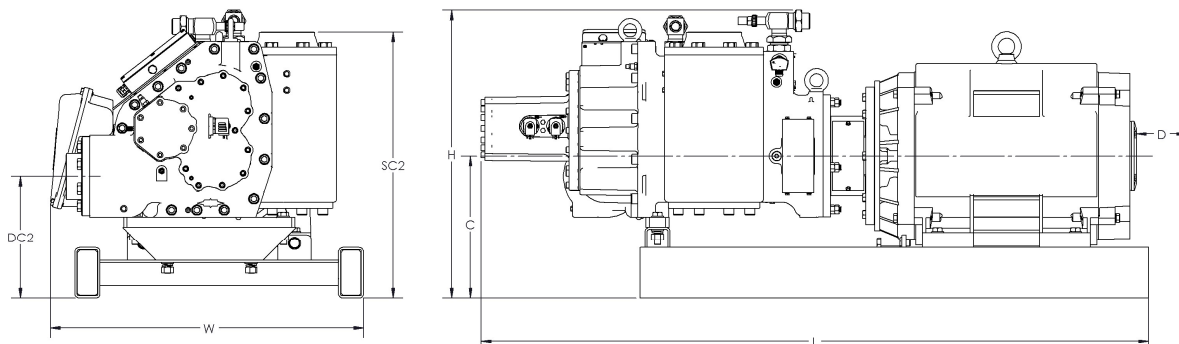
OS'74 Series



OS'85 Series



OS'95 Series



Dimensional Drawings (SD)

Model Number	Weight (lb)	Dimension (in)									
		H	W	L	LC	WC	DC2	SC2	C	M	D
SD53XX(B-N)030(6-9)XXXX	639	22.7	23.0	42.7	33.0	19.5	10.2	19.9	13.0	0.8	4.0
SD53XX(B-N)040(6-9)XXXX	684			42.6							
SD53XX(B-N)025(1-5)XXXX	694	22.5		43.4							
SD53XX(B-N)030(1-5)XXXX	724	22.2	44.9								
SD53XX(B-N)050(6-9)XXXX	864	24.1	23.3	42.8							
SD53XX(B-N)060(6-9)XXXX	861	24.0		44.0							
SD53XX(B-N)040(1-5)XXXX	881	24.8	24.1	46.2							
SD53XX(B-N)050(1-5)XXXX	914	24.4	23.2	47.7							
SD74XX(B-N)025(1-5)XXXX	951	24.1	24.3	47.3							
SD74XX(B-N)030(1-5)XXXX	980			48.8							
SD74XX(B-N)030(6-9)XXXX	896			46.5							
SD74XX(B-N)040(6-9)XXXX	941			47.0							
SD74XX(B-N)050(6-9)XXXX	1119	25.1	24.3	48.4							
SD74XX(B-N)060(6-9)XXXX	1116			47.0							
SD74XX(B-N)040(1-5)XXXX	1136	24.3	25.4	50.4							
SD74XX(B-N)050(1-5)XXXX	1169		24.5	51.9							
SD74XX(B-N)075(6-9)XXXX	1403	26.1	30.2	51.7							
SD74XX(B-N)100(6-9)XXXX	1465		29.5	54.6	11.5						
SD74XX(B-N)060(1-5)XXXX	1514					26.1	15.0				
SD74XX(B-N)075(1-5)XXXX	1525		27.1	30.0	53.7						
SD74XX(B-N)125(6-9)XXXX	1615	27.1	32.8	57.6	23.5	12.5	27.1	16.0	0.8	5.0	
SD74XX(B-N)150(6-9)XXXX	1680										
SD74XX(B-N)100(1-5)XXXX	1759	31.8	30.2	64.1	41.3	14.9	28.2	15.0	0.8	5.0	
SD85XX(B-N)060(1-5)XXXX	1769										
SD85XX(B-N)075(1-5)XXXX	2006	31.9	30.2	67.0	41.3	14.0	29.2	16.0	0.8	5.0	
SD85XX(B-N)075(6-9)XXXX	1835										
SD85XX(B-N)100(6-9)XXXX	1805	32.8	30.0	65.2	41.3	14.9	29.2	16.0	0.8	5.0	
SD85XX(B-N)125(6-9)XXXX	2004										
SD85XX(B-N)150(6-9)XXXX	2069	33.9	34.7	71.9	49.0	25.5	15.9	30.2	17.0	0.8	6.0
SD85XX(B-N)100(1-5)XXXX	2148										
SD85XX(B-N)200(6-9)XXXX	2496	33.8	33.1	75.8	49.0	25.5	15.9	30.2	17.0	0.8	7.0
SD85XX(B-N)250(6-9)XXXX	2601										
SD85XX(B-N)300(6-9)XXXX	2698	33.8	35.1	84.2	49.0	25.5	15.9	30.2	17.0	0.8	5.0
SD85XX(B-N)125(1-5)XXXX	2834										
SD85XX(B-N)150(1-5)XXXX	2942	34.5	35.8	84.0	49.0	25.5	14.5	31.0	16.0	0.8	5.0
SD85XX(B-N)200(1-5)XXXX	3247										
SD85XX(B-N)250(1-5)XXXX	3478	34.5	35.5	74.5	49.0	25.5	14.5	31.0	16.0	0.8	5.0
SD95XX(B-N)125(1-5)XXXX	3610										
SD95XX(B-N)125(6-9)XXXX	2825	34.4	41.1	87.0	N/A	N/A	14.6	31.8	17.0	N/A	6.0
SD95XX(B-N)150(1-5)XXXX	3718										
SD95XX(B-N)150(6-9)XXXX	2890	34.4	37.5	80.0	N/A	N/A	14.6	31.8	17.0	N/A	6.0
SD95XX(B-N)200(1-5)XXXX	3599										
SD95XX(B-N)200(6-9)XXXX	3275	34.5	37.8	94.8	N/A	N/A	14.6	31.9	17.0	N/A	7.0
SD95XX(B-N)250(1-5)XXXX	2455										
SD95XX(B-N)250(6-9)XXXX	3377	34.4	38.7	86.5	N/A	N/A	14.6	31.8	17.0	N/A	7.0
SD95XX(B-N)300(1-5)XXXX	4600										
SD95XX(B-N)300(6-9)XXXX	3475	34.4	37.4	79.8	N/A	N/A	14.6	31.8	17.0	N/A	7.0
SD95XX(B-N)350(1-5)XXXX	4757										
SD95XX(B-N)350(6-9)XXXX	3842	34.4	38.7	86.5	N/A	N/A	14.6	31.8	17.0	N/A	7.0
SD95XX(B-N)400(1-5)XXXX	5067										
SD95XX(B-N)400(6-9)XXXX	3942	34.4	38.7	86.5	N/A	N/A	14.6	31.8	17.0	N/A	7.0
SD95XX(B-N)400(6-9)XXXX	3942										



Compressor/Motor Horsepower Combinations

Compressor Model	TEFC/ODP Motor (HP)	Compressor Shaft Diameter	Motor Shaft Diameter	RPM Range	RPM*	Compressor Pulley	Motor Pulley
2T.2, W2TA, 2N.2, W2NA	3	32 mm	1-1/8"	750-1750	1750	8"	8"
	5		1-3/8"				
	7.5						
	10						
4T.2, W4TA, 4P.2, W4PA, 4N.2, W4NA	7.5	42 mm	1-3/8"				
	10		1-5/8"				
	15						
	20						
4H.2, W4HA, 4G.2, W4GA, 6H.2, W6HA, 6G.2, W6GA, 6F.2, W6FA	15	Tapered	1-5/8"	4 Cyl: 750-1750 6 Cyl: 900-1750	1750	8"	8"
	20						
	25		1-7/8"				
	30		2-1/8"				
	40						
	50						
	60						
75	2-3/8"						

Ammonia Compressor Pump Out Units

BITZER Catalogue	Compressor Model	ODP Motor HP**	RPM	CFM	Compressor Pulley	Motor Pulley	Item No.
AP1	W2TA.2	3	750	6	8"	4.0"	RBW2TA-0037LA
AP2	W2TA.2	5	1,225	9	8"	5.6"	RBW2TA-0057LA
AP3	W2TA.2	7.5	1,750	14	8"	8"	RBW2TA-0077LA
AP4	W2NA.2	10	1,750	20	8"	8"	RBW2NA-0107LA
AP5	W4TA.2	15	1,750	28	8"	8"	RBW4TA-0157LA
AP6	W4PA.2	15	1,750	33	8"	8"	RBW4PA-0157LA
AP7	W4NA.2	20	1,750	40	8"	8"	RBW4NA-0207LA
AP8	W4HA.2	25	1,750	52	8"	8"	RBW4HA-0257LA
AP9	W4GA.2	30	1,750	60	8"	8"	RBW4GA-0307LA
AP10	W6HA.2	40	1,750	79	8"	8"	RBW6HA-0407LA
AP11	W6GA.2	40	1,750	90	8"	8"	RBW6GA-0407LA
AP12	W6FA.2	50	1,750	108	8"	8"	RBW6FA-0507LA

*Compressor speed may be altered by changing motor pulley, consult engineering.

**Horsepower sized for stated model, speed, and pressure equivalents to a SST of 45°F and SDT of 90°F

Motor Data—ODP

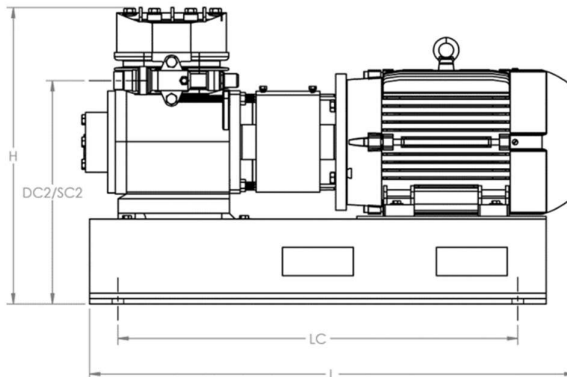
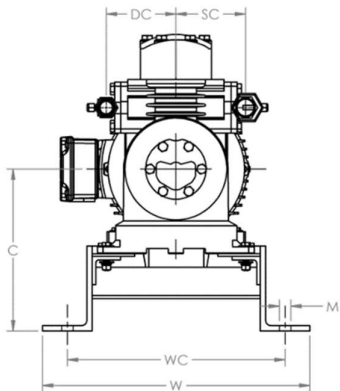
Compressor Model Series	HP	KW	Rated Speed	Service Factor	FL Amps (A)	Locked Rotor Current (II/In)	FL Efficiency (%)	Full Load Torque (ft.lb)
2T.2 ... 2N.2	3	2.2	1765	1.15	3.9	8.4	89.5	8.8
	5	3.7	1760	1.15	6.3	7.2	89.5	14.8
	7.5	5.5	1770	1.15	9.1	7.2	90.2	22.0
	10	7.5	1770	1.15	12.4	7.0	91.7	29.4
4T.2 ... 4N.2	7.5	5.5	1770	1.15	9.1	7.2	90.2	22.0
	10	7.5	1770	1.15	12.4	7.0	91.7	29.4
	15	11	1775	1.15	18.3	6.7	93.0	44.0
	20	15	1770	1.15	24.7	6.3	93.0	58.7
4H.2 ... 6F..2	15	11	1775	1.15	18.3	6.7	93.0	44.0
	20	15	1770	1.15	24.7	6.3	93.0	58.7
	25	18.5	1770	1.15	29.9	6.7	93.6	73.4
	30	22	1770	1.15	35.4	6.7	94.1	88.1
	40	30	1775	1.15	48.2	6.2	94.1	117.0
	50	37	1775	1.15	61.4	6.3	94.5	146.0
	60	45	1780	1.15	69.9	6.7	95.0	175.0
	75	55	1780	1.15	85.5	6.7	95.0	219.0

Motor Data—TEFC

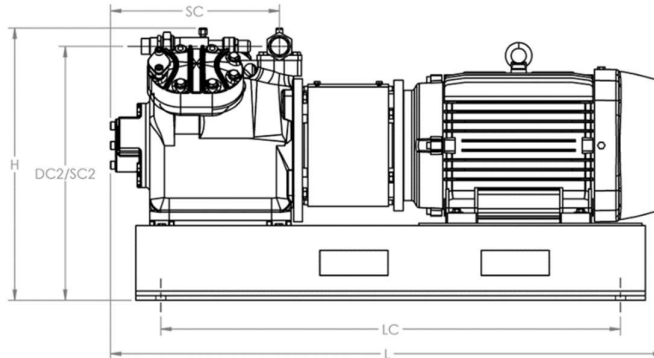
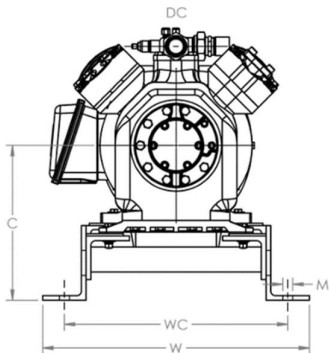
Compressor Model Series	HP	KW	Rated Speed	Service Factor	FL Amps (A)	Locked Rotor Current (II/In)	FL Efficiency (%)	Full Load Torque (ft.lb)
2T.2 ... 2N.2	3	2.2	1760	1.25	3.9	8.1	89.5	8.8
	5	3.7	1755	1.25	6.5	7.1	89.5	14.8
	7.5	5.5	1765	1.25	9.0	7.1	91.7	22.0
	10	7.5	1760	1.25	12.4	6.4	91.7	29.4
4T.2 ... 4N.2	7.5	5.5	1765	1.25	9.0	7.1	91.7	22.0
	10	7.5	1760	1.25	12.4	6.4	91.7	29.4
	15	11	1765	1.25	18.0	6.4	92.4	44.0
	20	15	1765	1.25	24.1	6.5	93.0	58.7
4H.2 ... 6F..2	15	11	1765	1.25	18.0	6.4	92.4	44.0
	20	15	1765	1.25	24.1	6.5	93.0	58.7
	25	18.5	1775	1.25	29.5	6.2	93.6	73.4
	30	22	1765	1.25	35.1	6.1	93.6	88.1
	40	30	1775	1.25	48.2	6.1	94.1	117.0
	50	37	1775	1.25	59.2	6.2	94.5	146.0
	60	45	1775	1.25	68.3	6.6	95.0	175.0
	75	55	1775	1.25	84.1	6.4	95.4	219.0

Dimensional Drawings (RD)

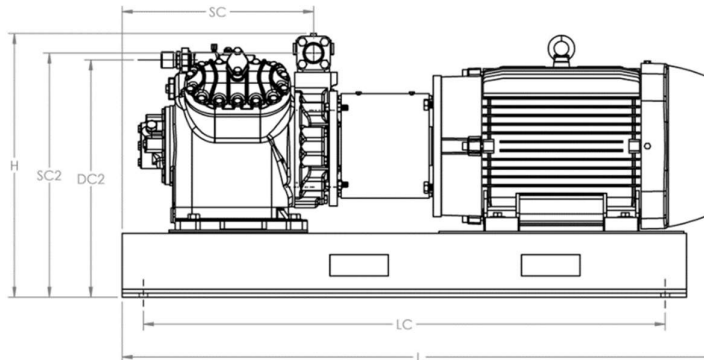
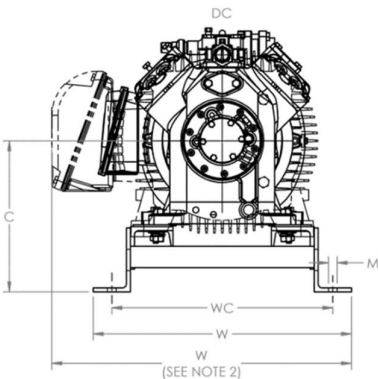
2T.2, 2T2Y, 2T2Q, W2TA, 2N.2, 2N2Y, 2N2Q, W2NA



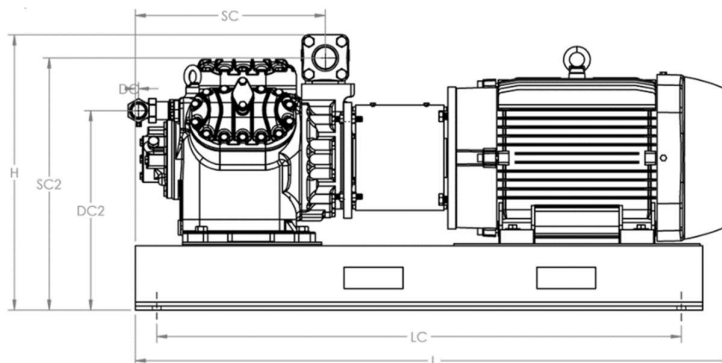
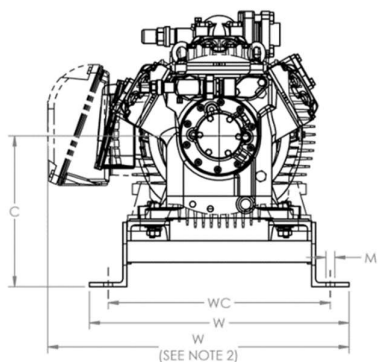
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4H.2, 4H2Y, 4H2Q, W4HA, 4G.2, 4G2Y, 4G2Q, W4GA



6H.2, 6H2Y, 6H2Q, W6HA, 6G.2, 6G2Y, 6G2Q, W6GA, 6F.2, 6F2Y, 6F2Q, W6FA



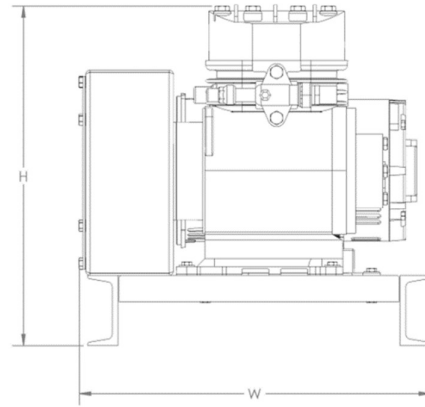
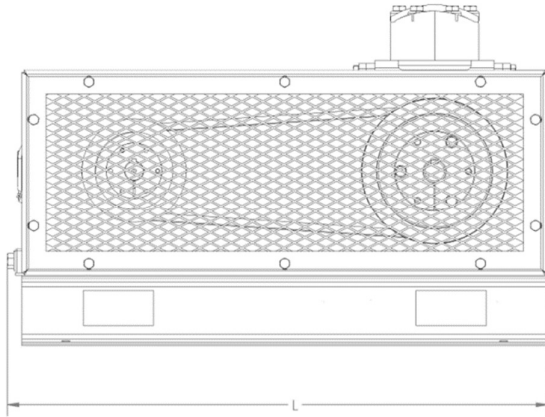
Dimensional Drawings (RD)

Model Number	Dimension (in)																		
	L	W	H	LC	WC	DC	DC2	SC	SC2	C	M								
RD(W)2(N-T)XX-003(1-5)XX	32.4	18.9	20.2	27.0	15.4	4.5	15.1	4.6	15.1	10.5	0.8								
RD(W)2(N-T)XX-005(1-5)XX	33.4																		
RD(W)2(N-T)XX-007(1-5)XX	33.4		20.9																
RD(W)2(N-T)XX-010(1-5)XX	35.8																		
RD(W)4(N-T)XX-007(1-5)XX	38.1	21.5	20.7	31.0	18.0	CENTERED	19.2	11.1	19.2	11.3									
RD(W)4(N-T)XX-010(1-5)XX	39.6																		
RD(W)4(N-T)XX-015(6-9)XX	40.1		21.7																
RD(W)4(N-T)XX-015(1-5)XX	42.7																		
RD(W)4(N-T)XX-020(6-9)XX	41.9																		
RD(W)4(N-T)XX-020(1-5)XX	44.4																		
RD(W)4(G-H)XX-015(6-9)XX	47.5																		
RD(W)4(G-H)XX-015(1-5)XX	50.1																		
RD(W)4(G-H)XX-020(6-9)XX	49.3	22.5	22.8	43.0	19.0	CENTERED	20.3	19.3	21.0	12.3									
RD(W)4(G-H)XX-020(1-5)XX	51.8																		
RD(W)4(G-H)XX-025(6-9)XX	48.6		23.6																
RD(W)4(G-H)XX-025(1-5)XX	51.7																		
RD(W)4(G-H)XX-030(6-9)XX	50.1																		
RD(W)4(G-H)XX-030(1-5)XX	53.2																		
RD(W)4(G-H)XX-040(6-9)XX	52.2		24.3							24.6	47.0	20.8	CENTERED	22.1	19.2	22.7	14.0		
RD(W)4(G-H)XX-040(1-5)XX	55.6																		
RD(W)4(G-H)XX-050(6-9)XX	53.7																		
RD(W)4(G-H)XX-050(1-5)XX	57.1																		
RD(W)4(G-H)XX-060(6-9)XX	54.9	28.8		27.2	47.0	20.8	CENTERED	23.1	18.3	23.7							15.0		
RD(W)4(G-H)XX-075(6-9)XX	59.6																		
RD(W)4(G-H)XX-060(1-5)XX	59.6																	28.1	25.6
RD(W)4(G-H)XX-075(1-5)XX	59.6																		
RD(W)6(G-H)XX-015(6-9)XX	47.5	22.5	23.8	43.0							19.0	CENTERED	1.6	16.7	19.0	21.6			
RD(W)6(G-H)XX-015(1-5)XX	50.1																		
RD(W)6(G-H)XX-020(6-9)XX	49.3																		
RD(W)6(G-H)XX-020(1-5)XX	51.8																		
RD(W)6(G-H)XX-025(6-9)XX	48.6		24.5		24.5	43.0	19.0	CENTERED	0.3	17.5						17.7	22.3		
RD(W)6(G-H)XX-025(1-5)XX	51.7																		
RD(W)6(G-H)XX-030(6-9)XX	50.1																		
RD(W)6(G-H)XX-030(1-5)XX	53.2																		
RD(W)6(G-H)XX-040(6-9)XX	52.2	24.3	25.5	47.0	20.8						CENTERED	1.5	18.5	18.9	23.3				
RD(W)6(G-H)XX-040(1-5)XX	55.6																		
RD(W)6(G-H)XX-050(6-9)XX	53.7																		
RD(W)6(G-H)XX-050(1-5)XX	57.1																		
RD(W)6(G-H)XX-060(6-9)XX	54.9		28.8			27.2	47.0	20.8	CENTERED	0.6					19.5	18.0	24.3		
RD(W)6(G-H)XX-075(6-9)XX	59.6																		
RD(W)6(G-H)XX-060(1-5)XX	59.6																	28.1	26.5
RD(W)6(G-H)XX-075(1-5)XX	59.6																		
RD(W)6FXX-015(6-9)XX	47.5	22.5	23.8	43.0	19.0	CENTERED					3.0	21.0	19.1	21.6					
RD(W)6FXX-015(1-5)XX	50.1																		
RD(W)6FXX-020(6-9)XX	49.3																		
RD(W)6FXX-020(1-5)XX	51.8																		
RD(W)6FXX-025(6-9)XX	48.6		24.5				24.5	43.0	19.0	CENTERED				1.8	21.8	17.9	22.3		
RD(W)6FXX-025(1-5)XX	51.7																		
RD(W)6FXX-030(6-9)XX	50.1																		
RD(W)6FXX-030(1-5)XX	53.2																		
RD(W)6FXX-040(6-9)XX	52.2	24.3	25.5	47.0	20.8	CENTERED	3.0				22.8	19.1	23.3						
RD(W)6FXX-040(1-5)XX	55.6																		
RD(W)6FXX-050(6-9)XX	53.7																		
RD(W)6FXX-050(1-5)XX	57.1																		
RD(W)6FXX-060(6-9)XX	54.9		28.8					27.2	47.0	20.8			CENTERED	2.1	23.8	18.2	24.3		
RD(W)6FXX-075(6-9)XX	59.6																		
RD(W)6FXX-060(1-5)XX	59.6																	28.1	26.5
RD(W)6FXX-075(1-5)XX	59.6																		



Dimensional Drawings (RB)

2T.2, 2T2Y, 2T2Q, W2TA, 2N.2, 2N2Y, 2N2Q, W2NA



Dimensional Drawings (RB)

Model Number	Dimension (in)			Weight (lb)
	L	W	H	
RB(W)2(N-T)XX-003(6-9)XX	31	20	21	410
RB(W)2(N-T)XX-005(6-9)XX				480
RD(W)2(N-T)XX-007(6-9)XX				450
RB(W)2(N-T)XX-010(6-9)XX				650
RB(W)2(N-T)XX-003(1-5)XX				500
RB(W)2(N-T)XX-005(1-5)XX				540
RD(W)2(N-T)XX-007(1-5)XX	33	22	21	580
RB(W)2(N-T)XX-010(1-5)XX		24		600
RB(W)4(N-T)XX-007(1-5)XX		22		550
RB(W)4(N-T)XX-010(1-5)XX	35	23	23	650
RB(W)4(N-T)XX-007(6-9)XX				740
RB(W)4(N-T)XX-010(6-9)XX				650
RB(W)4(N-T)XX-015(6-9)XX	37	26	23	775
RB(W)4(N-T)XX-015(1-5)XX	35	27		750
RB(W)4(N-T)XX-020(6-9)XX	36	28		875
RB(W)4(G-H)XX-015(6-9)XX	35	25		780
RB(W)4(G-H)XX-015(1-5)XX	37	28		915
RB(W)4(G-H)XX-020(6-9)XX	35	29		815
RB(W)4(G-H)XX-020(1-5)XX	36	30		875
RB(W)4(G-H)XX-025(6-9)XX	38	30		875
RB(W)4(G-H)XX-025(1-5)XX	41	32		825
RB(W)4(G-H)XX-030(6-9)XX	38	32		
RB(W)4(G-H)XX-030(1-5)XX	41	34		

Dimensional Drawings (RB)

Model Number	Dimension (in)			Weight (lb)		
	L	W	H			
RB(W)4(G-H)XX-040(6-9)XX	43	32	25	10005		
RB(W)4(G-H)XX-040(1-5)XX	49	36	26	1055		
RB(W)4(G-H)XX-050(6-9)XX	44	34	24	1050		
RB(W)4(G-H)XX-050(1-5)XX	43	36	25	1100		
RB(W)4(G-H)XX-060(6-9)XX RB(W)4(G-H)XX-075(6-9)XX	49	37	28	1340		
RB(W)4(G-H)XX-060(1-5)XX RB(W)4(G-H)XX-075(1-5)XX	48	40	24	1525		
RB(W)6(G-H)XX-015(6-9)XX	40	31	24	563		
RB(W)6(G-H)XX-015(1-5)XX				660		
RB(W)6(G-H)XX-020(6-9)XX				575		
RB(W)6(G-H)XX-020(1-5)XX				690		
RB(W)6(G-H)XX-025(6-9)XX				700		
RB(W)6(G-H)XX-025(1-5)XX				775		
RB(W)6(G-H)XX-030(6-9)XX				770		
RB(W)6(G-H)XX-030(1-5)XX	43	33	26	750		
RB(W)6(G-H)XX-040(6-9)XX	45	32		975		
RB(W)6(G-H)XX-040(1-5)XX		35		965		
RB(W)6(G-H)XX-050(6-9)XX		34		955		
RB(W)6(G-H)XX-050(1-5)XX		36		1005		
RB(W)6(G-H)XX-060(6-9)XX RB(W)6(G-H)XX-075(6-9)XX	50	36	28	1275		
RB(W)6(G-H)XX-060(1-5)XX RB(W)6(G-H)XX-075(1-5)XX	50	40	26	1430		
RB(W)6FXX-015(6-9)XX	41	31	24	850		
RB(W)6FXX-015(1-5)XX				940		
RB(W)6FXX-020(6-9)XX				850		
RB(W)6FXX-020(1-5)XX				970		
RB(W)6FXX-025(6-9)XX				1000		
RB(W)6FXX-025(1-5)XX				1058		
RB(W)6FXX-030(6-9)XX				45	32	26
RB(W)6FXX-030(1-5)XX	1200					
RB(W)6FXX-040(6-9)XX	47	36	1230			
RB(W)6FXX-040(1-5)XX	45	34	1220			
RB(W)6FXX-050(6-9)XX	46	36	26	1270		
RB(W)6FXX-050(1-5)XX				50	40	1540
RB(W)6FXX-060(6-9)XX RB(W)6FXX-075(6-9)XX						50
RB(W)6FXX-060(1-5)XX RB(W)6FXX-075(1-5)XX	50	40				

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Subject to change // 11.2023