

# PROFESSIONAL AIR COMPRESSORS

ISO 9001



Certificate TW04/02301QA

2012



# SUMAKE®

CE

# Compressors

## • Oil-Less Mini Air Compressor



**MC-3002**  
1/6HP Oil-Less  
W/Panel, W/O Tank



**MC-3003**  
1/6HP Oil-Less  
W/4L of Twin Tanks & Panel



**MC-3004**  
1/6HP Oil-Less  
W/4L Tank



**MC-3000**  
1/6HP Oil-Less  
W/4L Tank  
W/O Panel



**MC-3001**  
1/6HP Oil-Less  
W/4L Tank & Panel



**MC-3000KA**  
1/6HP Air Compressor  
4L Tank with 80/16 Air Stapler  
(Including: 5mmx8mmx7.5M  
PU Hose and quick coupler  
+connector)



**MC-3000KB**  
1/6HP Air Compressor  
4L Tank with F18/50 Air Nailer  
(Including: 5mmx8mmx7.5M  
PU Hose and quick coupler  
+connector)



**MC-3001KA**  
1/6HP Air Compressor  
4L Tank with 80/16 Air Stapler  
(Including: 5mmx8mmx7.5M  
PU Hose and quick coupler  
+connector)



**MC-3001KB**  
1/6HP Air Compressor  
4L Tank with F18/50 Air Nailer  
(Including: 5mmx8mmx7.5M  
PU Hose and quick coupler  
+connector)

### Specification:

Model	Motor		Frequency		DISPL		Speed (r.p.m.)	Cylinder	Pressure Switch				Tank Cap		Weight (N.W.)	
	HP	KW	V	HZ	L/Min	C.F.M.			On		Off		Liter	Gal.	kg	lb
									Kg/cm <sup>2</sup>	Psi	Kg/cm <sup>2</sup>	Psi				
MC-3002	1/6	0.12	230	50	25	0.9	2,840	1	6	85	8	114	-	-	7.8	17.2
MC-3003	1/6	0.12	230	50	25	0.9	2,840	1	6	85	8	114	8	2.1	13	28.7
MC-3004	1/6	0.12	230	50	25	0.9	2,840	1	6	85	8	114	4	1	8.5	18.7
MC-3000	1/6	0.12	230	50	25	0.9	2,840	1	6	85	8	114	4	1	9	20
MC-3001	1/6	0.12	230	50	25	0.9	2,840	1	6	85	8	114	4	1	10	18.7

Model No.	Fastener Compatible Model	Fastener								Tool Specification					
		Head (mm)	Crown (mm)	Thickness		Width		Length (mm)	Nail Type	Gauge B.W.G.	Pressure		Dimensions (HxWXL)(mm)	Weight (kgs)	Load Capacity
				mm	inch	mm	inch				Kg/cm <sup>2</sup>	psi			
F18/50	SENCO SLP20 BOSTITCH BT50	1.9	-	1.0	0.04	1.25	0.05	20-50	Brad	18	4.0 ~ 7.0	60 ~ 100	240x59x235	1.4	100pcs
80/16	BEA 80	-	12.9	0.65	0.026	0.95	0.037	6~16	-	21	4.0 ~ 7.0	60 ~ 100	145x45x225	0.9	160pcs

\*Also Workable with Other Nailers and Staplers, Model no.: F16/50, F18/30, F18/32, F18/35, P0.6/15, P0.6/22, P0.6/30, P0.6/30C, P0.8/30, P0.8/40, 14/16, 64/16, 71/16, 71/16LN, 80/16LN & 84/16...ETC.

## • Oil-Less / Air Compressor & Oil-Lube DC Compressor

### Features :

- Oil-less compressors supply cleaning air, no lubrication trouble.
- Low power consumption, handy and convenient, fully-auto control, motor overloading protective device.
- Suitable for family, outdoors, and indoors decoration, nailing, and painting.
- Portable type convenient and move easily.
- CE approved.



**NEW**  
**SDC1204**  
 DC12V  
 W/4L Tank  
**SDC2404**  
 DC24V  
 W/4L Tank  
 Oil-Lube



**NEW**  
**SDC1204C**  
 DC12V  
 W/4L Tank  
**SDC2404C**  
 DC24V  
 W/4L Tank  
 Oil-Lube  
 W/Tool Box



**NEW**  
**SDC1208**  
 DC12V  
 W/8L Tank  
**SDC2408**  
 DC24V  
 W/8L Tank  
 Oil-Lube



**SA1010**  
 1HP  
 Oil-Less  
 W/10L Tank  
**SA2010**  
 2HP  
 Oil-Less  
 W/10L Tank



**SA2012**  
 2HP  
 Oil-Less  
 W/12L Tank



**SA2025**  
 2HP  
 Oil-Less  
 W/25L Tank



**SA1508T**  
 1.5HP  
 Oil-Less  
 W/8L Tank



**SA2550**  
 2.5HP  
 Oil-Less  
 W/50L Tank



**SA2516TM**  
 2.5HP  
 Oil-Less  
 W/8L of Twin Tanks  
 & Hose Reel Mount  
**(Hose reel is not included)**

### Specification:

Model	Voltage	Amps	DISPL		Speed (R.P.M.)	Cylinder	Pressure Switch				Tank Cap		Weight (N.W.)	
			2.8kg/cm <sup>2</sup>	6.3kg/cm <sup>2</sup>			On		Off		Liter	Gal.	Kg	Lb
			40Psi	90Psi			Kg/cm <sup>2</sup>	Psi	Kg/cm <sup>2</sup>	Psi				
SDC1204	DC12V	40A	59L/min 2.1CFM	38L/min 1.35CFM	2,700	1	6.3	90	8.5	120	4	1	15.5	34.1
SDC1204C	DC12V	40A	59L/min 2.1CFM	38L/min 1.35CFM	2,700	1	6.3	90	8.5	120	4	1	18.5	40.7
SDC1208	DC12V	40A	59L/min 2.1CFM	38L/min 1.35CFM	2,700	1	6.3	90	8.5	120	8	2.1	15	33
SDC2404	DC24V	30A	85L/min 3.0CFM	59L/min 2.1CFM	3,000	1	8	114	10	142	4	1	15.5	34.1
SDC2404C	DC24V	30A	85L/min 3.0CFM	59L/min 2.1CFM	3,000	1	8	114	10	142	4	1	18.5	40.7
SDC2408	DC24V	40A	66L/min 2.33CFM	44.7L/min 1.58CFM	3,300	1	6	85	8	114	8	2.1	15	33

Model	Motor		Frequency		DISPL		Speed (R.P.M.)	Cylinder	Pressure Switch				Tank Cap		Weight (N.W.)	
	HP	KW	V	HZ	L/Min	C.F.M.			On		Off		Liter	Gal.	Kg	Lb
									Kg/cm <sup>2</sup>	Psi	Kg/cm <sup>2</sup>	Psi				
SA1010	1	0.75	230	50	99	3.5	1,450	1	6	85	8	114	10	2.6	21.5	47.4
SA2010	2	1.5	230	50	195	6.8	2,840	1	6	85	8	114	10	2.6	21.5	47.4
SA2012	2	1.5	230	50	195	6.8	2,840	1	6	85	8	114	12	3.1	22	48.5
SA2025	2	1.5	230	50	195	6.8	2,840	1	6	85	8	114	25	6.5	26	57.3
SA1508T	1.5	1.1	230	50	153	5.4	1,450	1	6	85	8	114	8	2.1	28	61.7
SA2550	2.5	1.9	230	50	300	10.6	2,840	1	8	114	10	142	50	13.2	40	88
SA2516TM	2.5	1.9	230	50	300	10.6	2,840	1	8	114	10	142	16	4.2	39	86

★ Please indicate the coupler type when ordering.

# Compressors

## • Oil-Lube Air Compressor

### Features:

- Durable cast iron cylinder reduces wear and increases pump life; removable for easy maintenance.
- With tool case, air fittings and accessories can store easily. (For model no. SDL2520C, SDL2520T)
- Roll cage construction for extra protection to pump and motor assembly.
- Folding handle w/ Rubber wheels - portable and easy storage.
- High efficient cast iron pump and motor.



**SD1516P**  
1.5HP  
W/16L Tank



**SDL1516P**  
1.5HP  
W/16L Tank  
(Foldaway Handle)



**SD2016T**  
2HP  
W/16L Twin Tank



**SDL2016**  
2HP W/16L Tank  
(Foldaway Handle)



**SDL2520C**  
2.5HP W/20L Tank & Tool Case  
(Foldaway Handle)



**SDL2520T**  
2.5HP  
W/20L Tank & Tool Case  
(Foldaway Handle)



**SDL2520**  
2.5HP  
W/20L Tank  
(Foldaway Handle)



**SDL2520M**  
2.5HP W/20L Tank &  
Hose Reel Mount  
(Hose reel is not included)



**SDL2520MA**  
2.5HP W/20L Tank &  
Hose Reel Mount  
(Hose reel is available)



**SDL3025M**  
3HP W/25L Tank &  
Hose Reel Mount  
(Hose reel is available)

### Specification:

Model	Motor		Frequency		DISPL		Speed (r.p.m.)	Cylinder	Pressure Switch				Tank Cap		Weight (N.W.)	
	HP	KW	V	HZ	L/Min	CFM			On		Off		Liter	Gal.	kg	lb
									Kg/cm <sup>2</sup>	Psi	Kg/cm <sup>2</sup>	Psi				
SD1516P	1.5	1.12	230	50	111	3.9	1,450	1	6	85	8	114	16	4.2	25.5	56.1
SDL1516P	1.5	1.12	230	50	111	3.9	1,450	1	6	85	8	114	16	4.2	28.3	62.3
SD2016T	2	1.5	230	50	130	4.6	1,450	1	6	85	8	114	16	4.2	28	61.6
SDL2016	2	1.5	230	50	130	4.6	1,450	1	6	85	8	114	16	4.2	34	75
SDL2520C	2.5	1.9	230	50	217	7.7	2,840	1	8	114	10	142	20	5.3	38	84
SDL2520T	2.5	1.9	230	50	217	7.7	2,840	1	8	114	10	142	20	5.2	42.9	94.4
SDL2520	2.5	1.9	230	50	217	7.7	2,840	1	8	114	10	142	20	5.2	41.5	91.3
SDL2520M	2.5	1.9	230	50	217	7.7	2,840	1	8	114	10	142	20	5.2	45	99.2
SDL2520MA	2.5	1.9	230	50	217	7.7	2,840	1	8	114	10	142	20	5.2	45	99.2
SDL3025M	3	2.25	230	50	433	15	2,840	2	8	114	10	142	25	6.6	59	130

★ Please indicate the coupler type when ordering.

# • Oil-Lube Air Compressor

## Features:

- Motor direct driving, high efficiency, synch radiation fan, no heating, double-valve design, less noise, fully auto control system, easy to operate, safe and reliable.
- Suitable used for decoration, nailing and painting...etc. operation for family, indoors and outdoors handy, convenient and moveable.



**SD2016TB**  
2HP  
W/8L of Twin Tanks & Panel



**SD2024**  
2HP W/24L Tank

**SD2524**  
2.5HP W/24L Tank

**SD2050**  
2HP W/50L Tank

**SD2550**  
2.5HP W/50L Tank



**SD3060V**  
3HP  
W/60L Vertical Tank



**SD30100**  
3HP  
W/100L Tank

## Specification:

Model	Motor		Frequency		DISPL		Speed (r.p.m.)	Cylinder	Pressure Switch				Tank Cap		Weight (N.W.)	
	HP	KW	V	HZ	L/Min	CFM			On	Off	On	Off	Liter	Gal.	kg	lb
SD2016TB	2	1.5	230	50	130	4.6	1,450	1	Kg/cm <sup>2</sup>	Psi	Kg/cm <sup>2</sup>	Psi	16	4.2	29	63.8
SD2024	2	1.5	230	50	217	7.7	2,840	1	6	85	8	114	24	6.3	26	57.3
SD2050	2	1.5	230	50	217	7.7	2,840	1	6	85	8	114	50	13.2	30	66
SD2524	2.5	1.9	230	50	255	9	2,840	1	8	114	10	142	24	6.3	26	57.3
SD2550	2.5	1.9	230	50	255	9	2,840	1	8	114	10	142	50	13.2	38	83.8
SD3060V	3	2.2	230	50	433	15.3	2,840	2	8	114	10	142	60	15.7	50	110.2
SD30100	3	2.2	230	50	433	15.3	2,840	2	8	114	10	142	100	26.3	71	156.5

★ Please indicate the coupler type when ordering.

# • Accessories

## Safety Valve



**SV-0120-125**  
1/4" PT Male (125psi)

**SV-0120-150**  
1/4" PT Male (150psi)

**SV-0120-175**  
1/4" PT Male (175psi)



**SV-0120A-125**  
1/4" NPT Male (125psi)

**SV-0120A-150**  
1/4" NPT Male (150psi)

**SV-0120A-175**  
1/4" NPT Male (175psi)

★ w/ASME SEC. VIII DIV.1

## Drain Valve

**CV-0220N**  
1/4" NPT Male

**CV-0221N**  
1/4" NPT Male  
Ball Drain Valve

**CV-0222N**  
3/8" NPT Male

**CV-0223N**  
1/4" NPT Male

## Check Valve

**CV-0130**  
3/8" PT Male

**CV-0130N**  
3/8" NPT Male

**CV-0140**  
1/2" PT Male

**CV-0140N**  
1/2" NPT Male

**CV-0141N**  
1/2" NPT Male

## Pressure Switch

**PS-0006**  
1/4" PT Female 4 Ports

**PS-0007**  
1/4" PT Male  
Bottom Ports For Wires

**PS-0008**  
1/4" PT Female

# Compressors

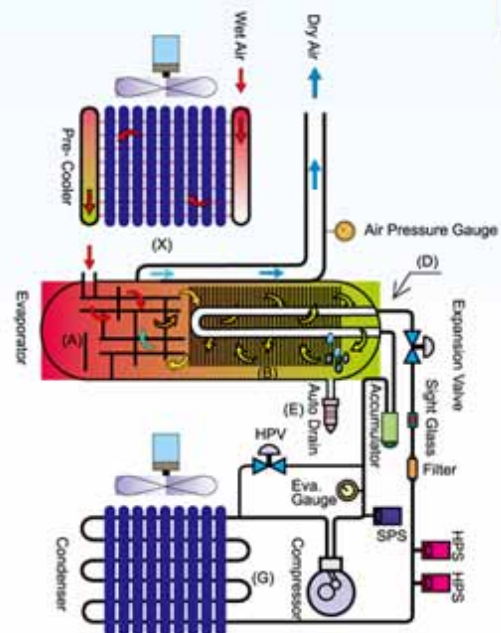
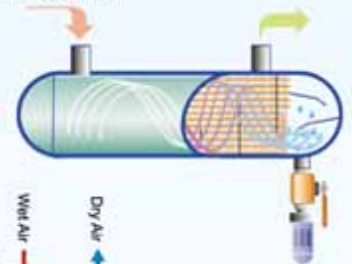
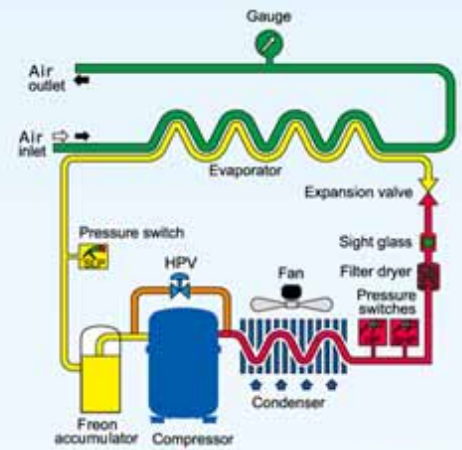
## • Compressed Air Dryer

### Features :

- Installing a Pre-cooler first compressed air enter there for cool compressed air before it enter the evaporator, (HA Series only has).
- Non-fouling heat exchanger maintain perfmace heat-exchanger efficiency and low pressure drop for the life of the unit; are fully insulated to preserve cooling effectiveness.
- High quality refrigeration controls produce consistent cooling temperatures over a wide range of flow and operating conditions.
- Separator maintains high efficiency from no flow to full flow.
- Durable condensate drain automatically collects and discharges condensate from the system.
- All electrical controls and safety devices to start and protect compressor and fan motor.
- Refrigeration system is built under strict quality control procedures by experienced craftsmen and includes all. The filter and over loads necessary to ensure long trouble free service.

### How They Work?

- Advance compressed air enter an air- to - fan air heat exchanger (Pre-cooler)(X) it will be cooled by fan air (at the HA type only has).
- The compressed air enter an air- to -air heat exchanger ((A) pre-cooler/re-heater) where it cooled by the out going air. The air then enters an air - to - refrigerant heat exchange (B) where it is cooled by the refrigeration system (G) to the desired dew point temperature. As the air is cooled in the heat exchanger, water vapour condenses into liquid droplets..
- The air and water then enter separator (D) where liquid water is removed from the air system. An automatic drain (E) discharges the water to drain finally the air passes back through the air- to - air heat exchanger and exits the dryer.
- As long as the temperature of the compressed air, as it travels through an air system, does not fall below the dew point temperature produced in the dryer, no more water vapour will condense into troublesome liquid in downstream air lines.



# Compressed Air Dryer

## HA / NA Series

- Selection guide  
Dryers are rated at 65°C(HA) / 45°C(NA) saturated and 7kgf/cm<sup>2</sup> inlet condition, 35°C ambient and an outlet pressure dew point of 2°C.
- To adjust dryer capacity for other conditions, use Table 1,2,3 and 4.

### Example:

What is the capacity of a model AD-100 HA when the compressed air at the inlet to the dryer is at 10kgf/cm<sup>2</sup> and 40°C, the ambient temperature is 30°C and a 5°C dew point is desired?

### Answer:

$$14.5\text{Nm}^3 / \text{Min} \times 1.19(\text{Table 4}) \times 1.05(\text{Table 1}) \times 1.01(\text{Table 3}) \times 0.9(\text{Table 2}) = 16.47\text{Nm}^3 / \text{Min}$$

Table1:Correction Factors (Multipliers) for Inlet Air Temperature

Inlet Air Tem	40	45	50	55	60	65	70	75	80
Multiplier(HA)	1.05	1.04	1.03	1.02	1.01	1.00	0.83	0.68	0.60
Multiplier(NA)	1.01	1.00	0.83	0.74	0.69	0.61	0.56	0.48	0.42

Table2:Correction Factors (Multipliers) for Dew Point Temperature

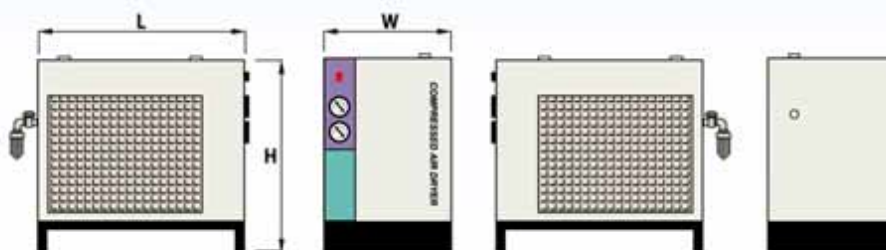
Dew point Tem.(°C)	2	5	8	10
Multiplier	0.8	0.9	0.95	1

Table3:Correction Factors (Multipliers) for Ambient Temperature

Ambient Tem. (°C)	10	15	20	25	30	35	40	50	55
Multiplier	1.05	1.04	1.03	1.02	1.01	1.00	0.96	0.84	0.58

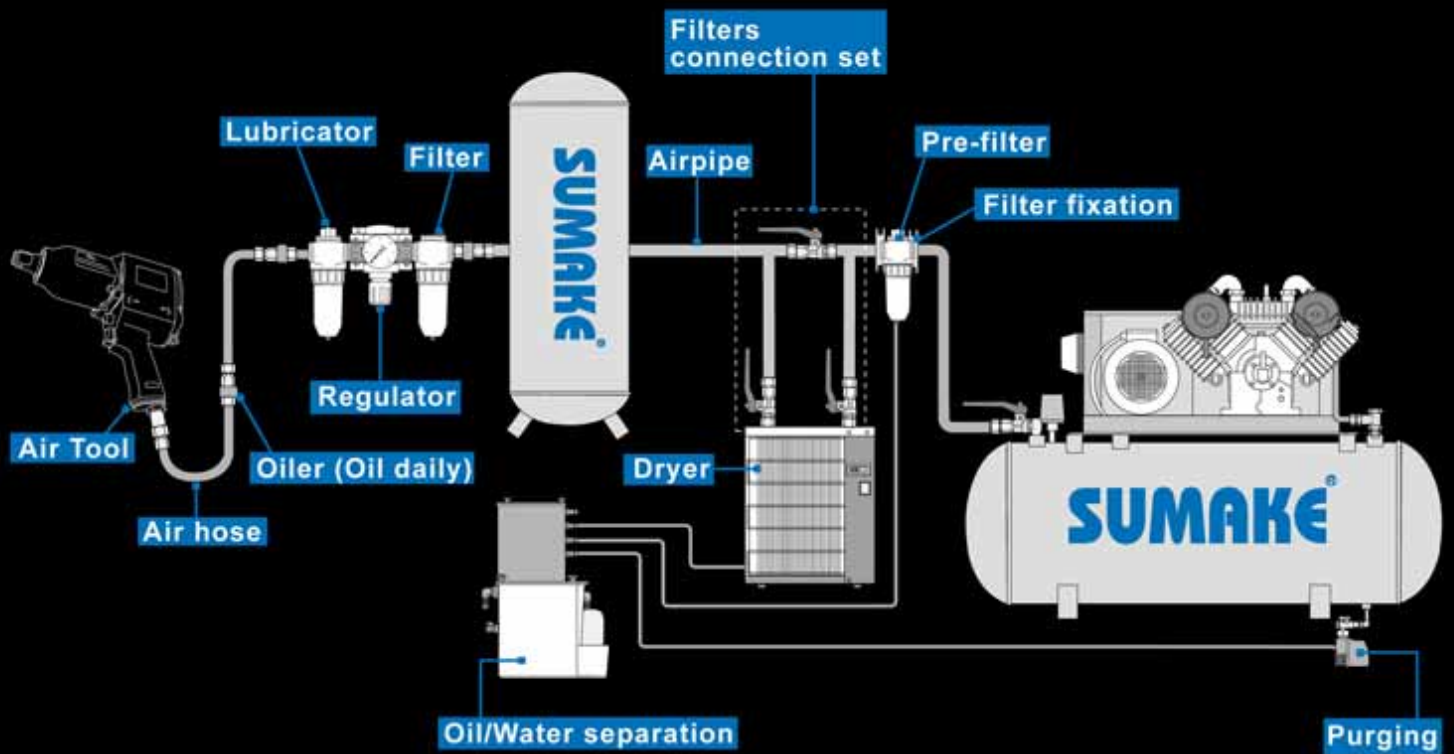
Table4:Correction Factors (Multipliers) for Inlet Air Pressure

Inlet Pressure (kg/cm <sup>2</sup> )	2	3	4	5	6	7	8	9	10
Multiplier	0.42	0.61	0.73	0.82	0.93	1.00	1.08	1.15	1.19



### Specification:

Model	AD-05	AD-10	AD-15	AD-20	AD-30	AD-50	AD-75	AD-100	AD-150	AD-200	AD-250	AD-300	AD-400														
Flow Rate	Nm <sup>3</sup> /min	0.6	1.3	1.8	2.8	4.2	7	10.6	14.5	21	26	31	49														
	SCFM	21	46	64	99	148	247	375	512	742	918	1095	1730														
Inlet Air Tem.	Working:80°C(HA) / 45°C(NA)																										
Environment Tem.	Working:38°C																										
Pressure Dew Point	2-10°C																										
Working Pressure	Working:7kgf/cm <sup>2</sup> (Max. 10kg/cm <sup>2</sup> )																										
Refrigerant	R134a						R-22(R134a)																				
Power Supply	1 phase 220V						3 phase 220/380/440V																				
Compressor Moter(HP)	1/5	1/3	1/2	3/4	1	1-1/2	2	3	4	5	6	7-1/2	8														
In / Outlet Conn	1/2"	3/4"	3/4"	1"	1-1/2"	2"	2-1/2"	3"	3"	4"	4"	4"	5"														
Type	HA	NA	HA	NA	HA	NA	HA	NA	HA	NA	HA	NA	HA	NA													
Physical Dimension (mm)	Hight	460	390	600	600	650	600	755	650	755	750	780	780	1150	1000	1200	1000	1450	1300	1550	1350	1550	1350	1600	1400	1600	1500
	Width	470	350	350	350	350	350	400	350	400	400	500	500	700	700	700	700	700	700	900	700	900	700	1700	1700	2400	2000
	Depth	500	400	635	640	765	640	815	770	920	920	935	920	1165	1165	1270	1270	1465	1465	1665	1665	1665	1665	900	900	950	950
Net Weight(kg)	31.5	22	40.5	39	45.5	40	58	50	80	74	118	116	238	214	295	239	378	319	446	370	457	390	570	480	890	590	



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