

二手與新磁鐵系統  
**Used & New Magnet  
System**

Project : 98015

二手與新磁鐵系統詳細規範  
**Detail specification of used  
& New magnet system**



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## 1. Detail Specification of Used Magnet System and Weight

Item No.	Specification	Qty.	Weight/Unit (KGS)	Total/WT (KGS)	Remark
1	(a) Used Walker magnet to handle billet 130mm x 130mm x 12m x 9~10pcs , 1.6T/pc x 10pcs = 16T Magnet Grabber model No. 29" x 52" , 230VDC , 32.8A , 75% duty cycle in very good condition	2EA + 1spare	3090	9270	
	(b) Spread beam (used) capacity : 12,750kg , 2 lifting lug in distance 3M , total beam length : 5M	1EA	1000	1000	
	(c) New control system and BBUS without batteries For 2EA magnets to handle billets Grabber model # 29" x 52" , 32.8A/EA , total : 64A , 3phase full bridge rectifier , capacity : 15KW , with battery charger (floating & equalizing) for battery back up system recommend battery 120AH , lead acid battery 12V x 19pcs = 228V , input : 380V-3phase-50HZ	1EA	150	150	
	(c-1) Used Walker control & transformer , type 4791 , M/L 91819-103 , cold amp : 430 , 480V-3-60HZ input 250VDC out put, not included. Battery enclosure. It need to take time to estimate the revamping cost .	1EA	180	180	
2	Used rebar bundle handling magnet system				
	(a) Rebar length up to 12m , magnet model Grabber # 24" x 52" , max. bundle dia. : 400mm , 230VDC , magnet 19.48A , 75%ED , total layer width : 1200mm , max. capacity : 3T x 3bundles = 9 TON	10EA + 2spare	2000	24000	
	(b) Fixed beam in capacity : 12,750kg , total length : 13.5M , weight : 3.2T , 2 lifting distance : 3M	2EA	3000	6000	
	(c) New controller and battery back up system without battery For 5EA magnet system to handle the rebar bundles Walker's model # Grabber 24" x 52" , 20A/EA x 5pcs , magnet = 100A in total , 3phase full bridge rectifier , capacity : 25KW , with battery charger (floating & equalizing) for battery back up system recommend battery 120AH , lead acid battery 12V x 19pcs = 228V , input : 380V-3phase-50HZ	2EA	200	400	

	(c-1) Used Walker control & transformer , type 4791 , M/L 91819-103 , cold amp : 430 , 480V-3-60HZ input 250VDC out put, not included. Battery enclosure. It need to take time to estimate the revamping cost .	2EA	230	460	
3	(a) Used Sumitomo circular magnet LECK 15A 7 Sumitomo , Magnet : dia. 1.5m , deep field , 59A , 230VDC	1EA	3200	3200	
	(b) Controller new without BBUS	1EA	100	100	
4	[REDACTED]				
	[REDACTED]				
	[REDACTED]				
5	[REDACTED]				
	[REDACTED]				
	[REDACTED]				
6	MMD Cable reel MMD281002-320-13-1 for AWG 1 (43mm <sup>2</sup> ) x 3C , capacity of slip ring : 200A , 50FT type W cable	3EA	170	540	
				54,880	Less 1(c-1) & 2(c-1)

## 2. PHOTOS

1(a). Grabber 29 X52 for Billet



美國Walker中古吊鋼胚及鋼筋電磁鐵

2(a). Grabber 24 X52 for Bundles



美國Walker中古吊鋼胚及鋼筋電磁鐵



美國Walker中古吊鋼胚及鋼筋電磁鐵

✧ Spare Magnets



1(b). & 2(b). Walker Spreader Beam





*1(c-1) & 2(c-1) Walker transformer & controller*



3. Used 1.5 M Sumitomo Magnet



6. MMD cable reel with cable



### 3. Brochures of Used Magnets

1(a). Grabber 29 X52 for Billet & 2(a). Grabber 24 X52 for Bundles

## GARBBER系列 GRABBER SERIES

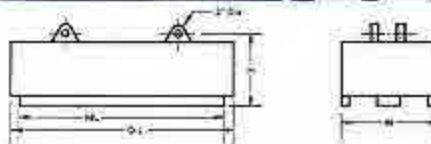
### BILLET LIFTING AND BUNDLE HANDLING MAGNETS

Because billets are seldom perfectly straight or flat, air gaps often exist between the billets to be lifted and the magnet. Walker **Grabber Series** billet lifting magnets have extra power built in to penetrate the air gaps for a more efficient, more certain grip every time. That means they can handle more billets per lift, day in and day out, eliminating multiple lifts per layer.

The penetration power of these magnets combined with rugged construction features ensures dependable, long life steel mill service. **Grabber Series** magnets come in a wide range of standard widths and lengths to accommodate your billet sizes and layer widths. Other sizes, as required for your applications, are readily available.

#### HOT MATERIAL APPLICATIONS

Many Walker **Grabber Magnets** have been supplied for use with hot materials. Modifications typically include Double Bottom Plates and higher temperature insulation. For more specific information on high temperature material handling, request Walker Magnetics Heatmaster<sup>®</sup> Technical Bulletin.



- 75% and 100% duty cycle
- Class H insulation utilized for layer-to-layer, turn-to-turn, coil-to-case insulation
- Cool Operating Coil Designs
- Extra Heavy Duty Manganese end plates
- Fabricated construction for long life steel mill service

#### SPECIFICATIONS

Model	Width (in.)	Height (in.)	Magnetic Length (in.)	Overall Length (in.)	Weight (lb.)	Cold Amps 230VDC	Max Lift* (lb.)
2642	26	17.5	40	42	3,200	16	0-42,000
2652	26	17.5	50	52	3,900	19	0-62,500
2662	26	17.5	60	62	4,600	23	0-63,000
2672	26	17.5	70	72	5,300	26	0-73,500
2962	29	18.5	59	62	5,800	26	0-79,000
2972	29	18.5	69	72	6,700	30	0-93,000
2982	29	18.5	79	82	7,600	34	0-106,000
3244	32	24	40	44	6,400	21	0-66,000
3254	32	24	50	54	7,800	25	0-82,000
3264	32	24	60	64	9,200	29	0-98,000

Additional widths and length to suit your application are available. Please consult the factory for complete information.  
\*Max lift occurs on a clean, flat surface 8" or thicker.



HWE WANG ENTERPRISES INC.





# 不斷電系統 BATTERY BACKUP SYSTEMS



Battery Backup Systems feature instantaneous emergency power takeover in the event of a power failure, providing approximately 20 minutes of DC power. This holds the load safely in place until it can be properly released or until normal power is restored.

Systems can be added to your present magnet installation or with new magnet installations. In addition to the battery backup unit, the system also includes meters to display battery amps and magnet volts, a Solid-State battery control device to maintain batteries at "float voltage", and an alarm system. Battery and control sections are enclosed in TYPE 12 cabinets, the display section in a TYPE 1 cabinet.

- Solid state components for instantaneous transfer from main power to battery power
- Rapid recharge circuit with automatic transfer to "float" charge
- Alarm system with horn and flashing lights
- Industrial grade heavy-duty lead acid batteries standard; nickel cadmium batteries optional

BATTERY SECTION				
Model	Height (in.)	Width (in.)	Depth (in.)	Weight* (lb.)
115V-32A	42	30	20	483
115V-65A <sup>1</sup>	42	33	20	809
115V-95A <sup>1</sup>	53	36	20	996
230V-32A <sup>2</sup>	42	30	20	483
230V-65A <sup>1, 2</sup>	42	33	20	809
230V-95A <sup>1, 2</sup>	53	36	20	996
230V-130A <sup>1, 2</sup>	72	72	24	1,688

CONTROL SECTION				
Model	Height (in.)	Width (in.)	Depth (in.)	Weight* (lb)
115V-32A	36	30	8	175
115V-65A	36	30	8	175
115V-95A	36	30	8	175
230V-32A	36	30	8	175
230V-65A	36	30	8	175
230V-95A	36	30	8	200
230V-130A	36	30	8	200

DISPLAY SECTION				
Model	Height (in.)	Width (in.)	Depth (in.)	Weight* (lb.)
115V-32A	8	10	4	4
115V-65A	8	10	4	4
115V-95A	8	10	4	4
230V-32A	8	10	4	4
230V-65A	8	10	4	4
230V-95A	8	10	4	4
230V-130A	8	10	4	4

\*with batteries

<sup>1</sup> double door cabinet

<sup>2</sup> two battery cabinets required



HWE WANG ENTERPRISES INC.

ELECTRICAL  
SYSTEMS

電氣系統

## 整流器電源供應器 RECTIFIER POWER SUPPLIES



### STANDARD FEATURES ( Three Phase Models )

- Full wave bridge silicon rectifier
- Dry type isolating transformer with four 5% taps
- Selenium surge suppressor
- Semi-conductor fuses for rectifier protection
- AC circuit breaker
- Convection cooled

Walker Rectifiers are for use with all types of electromagnets.  
Available sizes range from 10 to 100,000 watts with larger units available upon request.  
Consult Walker for additional details and specifications:  
1-800-W-MAGNET

## 吊升磁鐵控制器 LIFT MAGNET CONTROLLERS TYPE 12 OR TYPE 3R CABINETS

Walker Lift Magnet Controllers are designed to be used with all types and makes of lift magnets.

Whether you need a single magnet or multiple magnets on a spreader bar, a Walker Controller will insure a fast, clean release of the load, resulting in the most efficient material handling today.

Available for 115V, or 230VDC operation, Walker Controllers can be supplied with a drum type switch for cab location or a pendant push button switch for floor controlled cranes.

Walker Selector Switch Circuits are available as an option. When one or more magnets are used on a spreader beam, control circuitry can be provided for switching magnets in pair, rows, columns or other combinations. Contact Walker for more information.



WALKER



HWE WANG ENTERPRISES INC.

4. Used Walker 93SD



**SCRAP  
MAGNETS**

**廢鐵用**

**W系列  
SCRAPMASTER®  
"W" SERIES**

**FABRICATED CASE,  
ALUMINUM OR COPPER COIL  
DEEP-FIELD**

Walker W Series scrap magnets are offered in fabricated cases, with coils and terminals sealed and protected to ensure watertight construction and low maintenance costs. Sizes range from 26" to 100" in diameter to suit all crane sizes and models. Magnets are designed for cool operation and minimum reduction in lift capacity, to provide maximum lift performance throughout the working day.

Cases are constructed of high-permeability, low-carbon steel for minimum magnetic leakage and maximum lifting efficiency. Bottom plates are heavy manganese steel. Class H insulation is used throughout the magnets for extended life. Walker W Series fabricated magnets can be custom-designed for any special application and size requirements. Consult the factory for specials.

- Customs available in fabricated styles
- 75% duty cycle
- Alloy steel chains for greater life and maximum durability
- Class H insulation utilized for layer-to-layer, turn-to-turn, coil-to-coil

- Low maintenance costs
- Maximum lift performance through the working day
- Dual voltage models available

SPECIFICATIONS								LIFTING CAPACITY (lbs.)		
Model	Diam.	Magnet. Wt. (lbs.)	D.C. Voltage	Amps (Cold)	Generator (KW)	Controller (Amps)	Minimum Cable Size	#1 Heavy Melting	#2 Heavy Melting	Steel Turnings
32SD	32"	1,200	230	20	5	25	#10	0-600	0-400	0-200
39SD	39"	1,800	230	32	7.5	50	#8	0-1,040	0-680	0-345
46SD	46"	2,600	230	45	10	50	#6	0-1,625	0-1,115	0-535
57SD	57"	4,150	230	65	15	75	#4	0-2,600	0-1,710	0-800
63SD	63"	6,100	230	78	19	100	#2	0-3,800	0-2,470	0-1,200
67SD	67"	6,400	230	93	22	100	#2	0-4,200	0-2,810	0-1,400
72SD	72"	8,200	230	104	25	150	#1	0-5,200	0-3,500	0-1,650
78SD	78"	9,800	230	125	30	160	#1	0-5,700	0-3,915	0-1,860
88SD	88"	14,500	230	177	41	200	#2/0	0-7,800	0-5,560	0-2,650
93SD	93"	16,000	230	180	42	200	#2/0	0-9500	0-7,000	0-3,400

Lifting capacities are based on optimum conditions. Variables in the material or magnetic system can affect performance. Material description based on specifications for iron and steel scrap published by the Institute of Scrap Recycling Industries. Other models available on special order: 26SD, 34SD, 48S, 57S, 63S, 67S, 83SD, 100SD



**HWE WANG ENTERPRISES INC.**

## 5.1.6SM SMW1 Circular Magnets

### SMW 1系列圓型電磁鐵 吸耐特Sie Nite SMW1 SERIES CIRCULAR MAGNETS

#### ◎特性 Features :

1. 本系列產品廣泛使用在鋼塊、鐵屑、廢鋼、生鐵錠、鋼鐵鑄件。  
This series are widely used for handling pigiron, scale, scrap, ingot, cast-iron etc.
2. 繞線方式為鋁繞線及銅繞線。  
Magnet coil wound in anodized aluminum strip(wire) or wound in cooper wire.
3. 外殼結構為高導磁性鑄鋼或高導磁性利屏鋼板外殼。  
Magnet shell- cast in high permeability steel or permeability wear resistant fabricated steel.

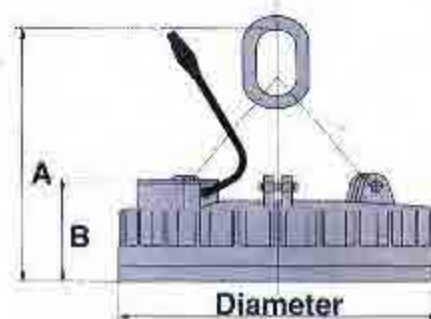
註:電磁鐵隨著外界因素而影響起重能力 例如:電磁鐵溫度變化, 被吸物大小、形狀、成分及間隙等, 而有不同的起重能力, 下列電磁鐵在20°C時得到的數值。

Noted:the lifting capacity varies according to magnet temperature, material size, shape, air gap, chemical composition etc.

#### ◎技術資料和尺寸 Technical data and dimensions:

型號 MODEL	外徑 DIAMETER (MM)	額定電壓 DC(直流V) RATED VOLTAGE	電流 CURRENT AT 20°C (A)	功率 KW	本體與繞線 SHELL / WOUND	起重能力 (鋼板) CAPACITY PLATE (KG)	淨重 NET WEIGHT (KG)
SMW1-050PC	∅ 500	220V	7.5	1.66	PC	950	235
SMW1-070PC	∅ 700	220V	13	2.9	PC	1800	510
SMW1-070CC	∅ 700	220V	21	4.8	CC	2500	620
SMW1-100PA	∅ 980	220V	25	5.6	PA	3100	750
SMW1-100PC	∅ 980	220V	30	6.5	PC	4300	850
SMW1-12CA	∅1250	220V	34	7.5	CA	15000	1500
SMW1-12CC	∅1250	220V	41.4	9.1	CC	18000	2000
SMW1-13PC	∅1300	220V	49	10.8	PC	7800	2000
SMW1-16CA	∅1650	220V	61.5	13.5	CA	20000	2600

- PC鋼板銅繞線: Fabricated steel shell wound in cooper wire  
 PA鋼板鋁繞線: Fabricated steel shell wound in anodized aluminum strip (wire)  
 CC鑄鋼銅繞線: Cast steel shell, wound in cooper wire  
 CA鑄鋼鋁繞線: Cast steel shell, wound in anodized aluminum strip (wire)





6. MMD Cable reel



**Series MMD™  
Mill Duty Spring Driven  
Cable Reels**

# MMD Cable Reels

# SELECTION CHART

For complete dimensional details refer to page number (Pg.) adjacent to model number.

WIRE SIZE	NO. OF COND.	FEET - 30	Pg.	40	Pg.	50	Pg.	60	Pg.
No. 16	2	MMD211001-23-17-1	10	MMD211001-23-17-1	10	MMD211001-23-17-1	10	MMD281001-23-24-1	12
	3	MMD211001-33-17-1	10	MMD211001-33-17-1	10	MMD211001-33-17-1	10	MMD281001-33-24-1	12
	4	MMD211001-43-17-1	10	MMD211001-43-17-1	10	MMD211001-43-17-1	10	MMD281001-43-24-1	12
	6	MMD211001-63-17-1	10	MMD211001-63-17-1	10	MMD211001-63-17-1	10	MMD241001-63-20-1	11
	8	MMD211001-83-17-1	10	MMD211001-83-17-1	10	MMD211001-83-17-1	10	MMD241001-83-20-1	11
	10	MMD211001-103-14-1	10	MMD211001-103-14-1	10	MMD241001-103-17-1	11	MMD281001-103-23-1	12
	12	MMD211001-123-14-1	10	MMD211001-123-14-1	10	MMD211001-123-17-1	11	MMD281001-123-23-1	12
	14	MMD211001-143-13-1	10	MMD211001-143-15-1	10	MMD241001-143-16-1	11	MMD281001-143-21-1	12
	16	MMD211001-163-14-1	10	MMD211001-163-14-1	10	MMD241001-163-17-1	11	MMD281001-163-23-1	12
	20	MMD211001-203-13-1	10	MMD211001-203-13-1	10	MMD241001-203-16-1	11	MMD281001-203-20-1	12
24	MMD211001-243-13-1	10	MMD211001-243-13-1	10	MMD241001-243-16-1	11	MMD281002-243-22-1	12	
30	MMD211001-303-11-1	10	MMD211001-303-11-1	10	MMD241002-303-14-1	11	MMD281002-303-18-1	12	
36	MMD211001-363-11-1	10	MMD211001-363-11-1	10	MMD241002-363-14-1	11	MMD281002-363-18-1	12	
No. 14	2	MMD211001-23-17-1	10	MMD211001-23-17-1	10	MMD211001-23-17-1	10	MMD281001-23-24-1	12
	3	MMD211001-33-17-1	10	MMD211001-33-17-1	10	MMD211001-33-17-1	10	MMD241001-33-20-1	11
	4	MMD211001-43-17-1	10	MMD211001-43-17-1	10	MMD211001-43-17-1	10	MMD241001-43-20-1	11
	6	MMD211001-63-16-1	10	MMD211001-63-16-1	10	MMD211001-63-16-1	10	MMD281001-63-23-1	12
	8	MMD211001-83-14-1	10	MMD211001-83-14-1	10	MMD241001-83-17-1	11	MMD281001-83-23-1	12
	10	MMD211001-103-13-1	10	MMD211001-103-13-1	10	MMD241001-103-16-1	11	MMD281001-103-19-1	12
	12	MMD211001-123-12-1	10	MMD211001-123-12-1	10	MMD241001-123-15-1	11	MMD281002-123-19-1	12
	14	MMD211001-143-11-1	10	MMD241001-143-11-1	11	MMD281001-143-14-1	12	MMD281002-143-18-1	12
	16	MMD211001-163-12-1	10	MMD211001-163-12-1	10	MMD241001-163-15-1	11	MMD281002-163-22-1	12
	20	MMD211001-203-11-1	10	MMD211001-203-11-1	10	MMD241002-203-14-1	11	MMD281002-203-18-1	12
24	MMD241001-243-13-1	11	MMD281002-243-17-1	12	MMD281002-243-17-1	12	MMD281002-243-17-1	12	
30	MMD281002-303-14-1	12	MMD281002-303-14-1	12	MMD281002-303-14-1	12	MMD281003-303-16-1	12	
No. 12	2	MMD211001-23-17-1	10	MMD211001-23-17-1	10	MMD211001-23-17-1	10	MMD241001-23-20-1	11
	3	MMD211001-33-17-1	10	MMD211001-33-17-1	10	MMD211001-33-17-1	10	MMD241001-33-20-1	11
	4	MMD211001-43-17-1	10	MMD211001-43-17-1	10	MMD211001-43-17-1	10	MMD241001-43-20-1	11
	6	MMD211001-63-14-1	10	MMD211001-63-14-1	10	MMD241001-63-17-1	11	MMD281001-63-23-1	12
	8	MMD211001-83-13-1	10	MMD211001-83-13-1	10	MMD241001-83-16-1	11	MMD281001-83-21-1	12
	10	MMD211001-103-12-1	10	MMD211001-103-12-1	10	MMD241001-103-15-1	11	MMD281002-103-19-1	12
	12	MMD211001-123-11-1	10	MMD241001-123-11-1	11	MMD281002-123-18-1	12	MMD281002-123-18-1	12
	14	MMD241001-143-13-1	11	MMD281001-143-12-1	12	MMD281002-143-17-1	12	MMD281002-143-17-1	12
	16	MMD211001-163-12-1	10	MMD211001-163-12-1	10	MMD241002-163-15-1	11	MMD281002-163-19-1	12
	20	MMD241001-203-13-1	11	MMD281002-203-17-1	12	MMD281002-203-17-1	12	MMD281003-203-13-8-1	12
24	MMD281002-243-14-1	12	MMD281002-243-14-1	12	MMD281002-243-14-1	12	MMD281003-243-16-1	12	
No. 10	2	MMD211001-23-17-1	10	MMD211001-23-17-1	10	MMD211001-23-17-1	10	MMD241001-23-20-1	11
	3	MMD211001-33-17-1	10	MMD211001-33-17-1	10	MMD211001-33-17-1	10	MMD241001-33-20-1	11
	4	MMD211001-43-17-1	10	MMD211001-43-17-1	10	MMD211001-43-17-1	10	MMD241001-43-20-1	11
	6	MMD211001-63-14-1	10	MMD211001-63-14-1	10	MMD241001-63-17-1	11	MMD281001-63-21-1	12
	8	MMD211001-83-13-1	10	MMD211001-83-13-1	10	MMD241001-83-16-1	11	MMD281002-83-23-1	12
	10	MMD211001-103-11-1	10	MMD241001-103-11-1	11	MMD281002-103-18-1	12	MMD281002-103-18-1	12
	12	MMD241001-123-13-1	11	MMD281002-123-17-1	12	MMD281002-123-17-1	12	MMD281002-123-17-1	12
	14	MMD281001-143-13-6	12	MMD281002-143-14-1	12	MMD281002-143-14-1	12	MMD281003-143-16-1	12
	16	MMD241001-163-12-1	11	MMD281002-163-16-1	12	MMD281002-163-16-1	12	MMD281003-163-12-8-1	12
	20	MMD281002-203-13-1	12	MMD281002-203-13-1	12	MMD281002-203-13-1	12	MMD281003-203-16-1	12
No. 8	2W	MMD211001-27-16-1	10	MMD211001-27-16-1	10	MMD211001-27-16-1	10	MMD281001-27-23-1	12
	3W	MMD211001-37-14-1	10	MMD211001-37-14-1	10	MMD241001-37-17-1	11	MMD281001-37-22-1	12
	3G	MMD211001-47-14-1	10	MMD211001-47-14-1	10	MMD241001-47-17-1	11	MMD281001-47-20-1	12
	4W	MMD211001-47-13-1	10	MMD211001-47-13-1	10	MMD241001-47-16-1	11	MMD281001-47-19-1	12
No. 6	2W	MMD211001-27-14-1	10	MMD211001-27-14-1	10	MMD241001-27-17-1	11	MMD281001-27-22-1	12
	3W	MMD211001-37-13-1	10	MMD211001-37-13-1	10	MMD241001-37-16-1	11	MMD281002-37-22-1	12
	3G	MMD211001-47-13-1	10	MMD211001-47-13-1	10	MMD241001-47-16-1	11	MMD281002-47-22-1	12
	4W	MMD211001-47-13-1	10	MMD211001-47-13-1	10	MMD241001-47-16-2	11	MMD281002-47-22-1	12
No. 4	2W	MMD211001-212-13-1	10	MMD211001-212-13-1	10	MMD241001-212-16-1	11	MMD281002-212-22-1	12
	3W	MMD211001-312-12-1	10	MMD211001-312-12-1	10	MMD241002-312-15-1	11	MMD281002-312-19-1	12
	3G	MMD211001-412-12-1	10	MMD211001-412-12-1	10	MMD241002-412-15-1	11	MMD281002-412-19-1	12
	4W	MMD211001-412-11-1	10	MMD241001-412-11-2	11	MMD241002-412-12-1	11	MMD281003-412-18-1	12
No. 3	2W	MMD211001-212-12-1	10	MMD211001-212-12-1	10	MMD241001-212-14-1	11	MMD281002-212-19-1	12
	3W	MMD211001-312-12-1	10	MMD211001-312-12-1	10	MMD241002-312-15-1	11	MMD281002-312-19-1	12
	3G	MMD211001-412-11-1	10	MMD211001-412-11-1	10	MMD241002-412-15-1	11	MMD281002-412-18-1	12
	4W	MMD211001-412-11-1	10	MMD241002-412-11-1	11	MMD281002-412-16-1	12	MMD281003-412-18-1	12
No. 2	2W	MMD211001-212-11-1	10	MMD241001-212-12-1	11	MMD241001-212-12-1	11	MMD281002-212-18-1	12
	3W	MMD211001-312-11-1	10	MMD241002-312-11-1	11	MMD281002-312-16-1	12	MMD281003-312-18-1	12
	3G	MMD211001-412-11-1	10	MMD241002-412-11-1	11	MMD281002-412-15-1	12	MMD281003-412-18-1	12
	4W	MMD241002-412-13-1	11	MMD281002-412-13-1	12	MMD281002-412-13-1	12	MMD281003-412-17-1	12
No. 1	2W	MMD241001-220-13-1	11	MMD281002-220-16-1	12	MMD281002-220-16-1	12	MMD281003-220-17-1	12
	3W	MMD241002-320-13-1	11	MMD281002-320-13-1	12	MMD281002-320-13-1	12	MMD281003-320-17-1	12
	3G	MMD241002-420-13-1	11	MMD281002-420-13-2	12	MMD281003-420-15-1	12	MMD281004-420-17-1	12
	4W	MMD281002-420-14-1	12	MMD281003-420-14-1	12	MMD281003-420-14-1	12		
No.1/0	2W	MMD241002-220-13-1	11	MMD281002-220-14-1	12	MMD281002-220-14-1	12	MMD281003-220-17-1	12

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