

Hitachi Highly

Rollkolbenverdichter

Rotary Compressors

Spezifikation Manual

BSA645CV-R1EN

Änderungen jederzeit vorbehalten
*We reserve the right to change at
any time without prrior notice*

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PARTS AND DRAWING LIST

BSA645CV-R1EN	Drawing code	Q'ty	Remarks
OUTLINE DWG.	SC01DA14	-	Dimensioned sketch
WIRING DIAGRAM	SC01D074	-	
Electrical components	SC01DA36H		
Motor protector	03 or SC01D063H14	1	BF225-KB or LYGN 78X
Running capacitor	SC01DB62H09	*	6.5 μ F-400WV
Terminal parts accessories			
Terminal cover	SC01D775	1	
Clip	SC01D076	1	
Packing	SC01D075	1	
Mounting accessories			
Mount assy	SC01D750	-	
Rubber mount	SC01D024	3	

* Out of supply for reference.

BSA645CV-****

THE SPECIFICATION FOR BSA645CV-**** COMPRESSOR

~ ~ ~ ~ ~ General specification	SHEC-YG106 SHEC-EG012	
~ ~ ~ Compressor data		
Design	Rolling piston type rotary	
Number of cylinder	1	
Displacement cm³	6.45	
~ ~ ~ Motor data		
Motor type	Permanent split capacitor	
Pole number P	2	
Nominal revolution rpm	2785/2825	
Insulation class	E	
Motor resistance Ω	Main □.18.3/ Aux □.43.6	
~ ~ ~ Refrigerant	R-134a CH ₂ FCF ₃	
Charge amount kg	0.30	
~~~~ Oil		
Brand	NEO 32 or equivalent	
Charge amount <span>cm³</span>	135	
~ ~ ~ ~ ~ Mass(include.oil) <span>kg</span>	4.7	
~ ~ Power source		
Rated voltage <span>V</span>	220-240	
Rated frequency <span>Hz</span>	50	
Phase	1	
~ ~ Performance		
Refrigerating capacity <span>W(Btu/hr)</span>	692/695 -5%	
Motor input <span>W</span>	295/315 ±7.5	
Current <span>A</span>	1.4/1.4 +10%	
Conditions	Evaporating <span>temp.</span> 7 2 Condensing <span>temp.</span> 54 4 Return <span>gas</span> <span>temp.</span> 35 0 Ambient <span>temp.</span> 35 0 Liquid <span>temp.</span> 46 1 Power source <span>1ph.220/240V</span> 50Hz	
Performance curve	SHEC-XQ167	
~ Starting performance		
L.R.A. <span>A</span>	5.2	
Lowest starting voltage <span>V</span>	≤ 187	

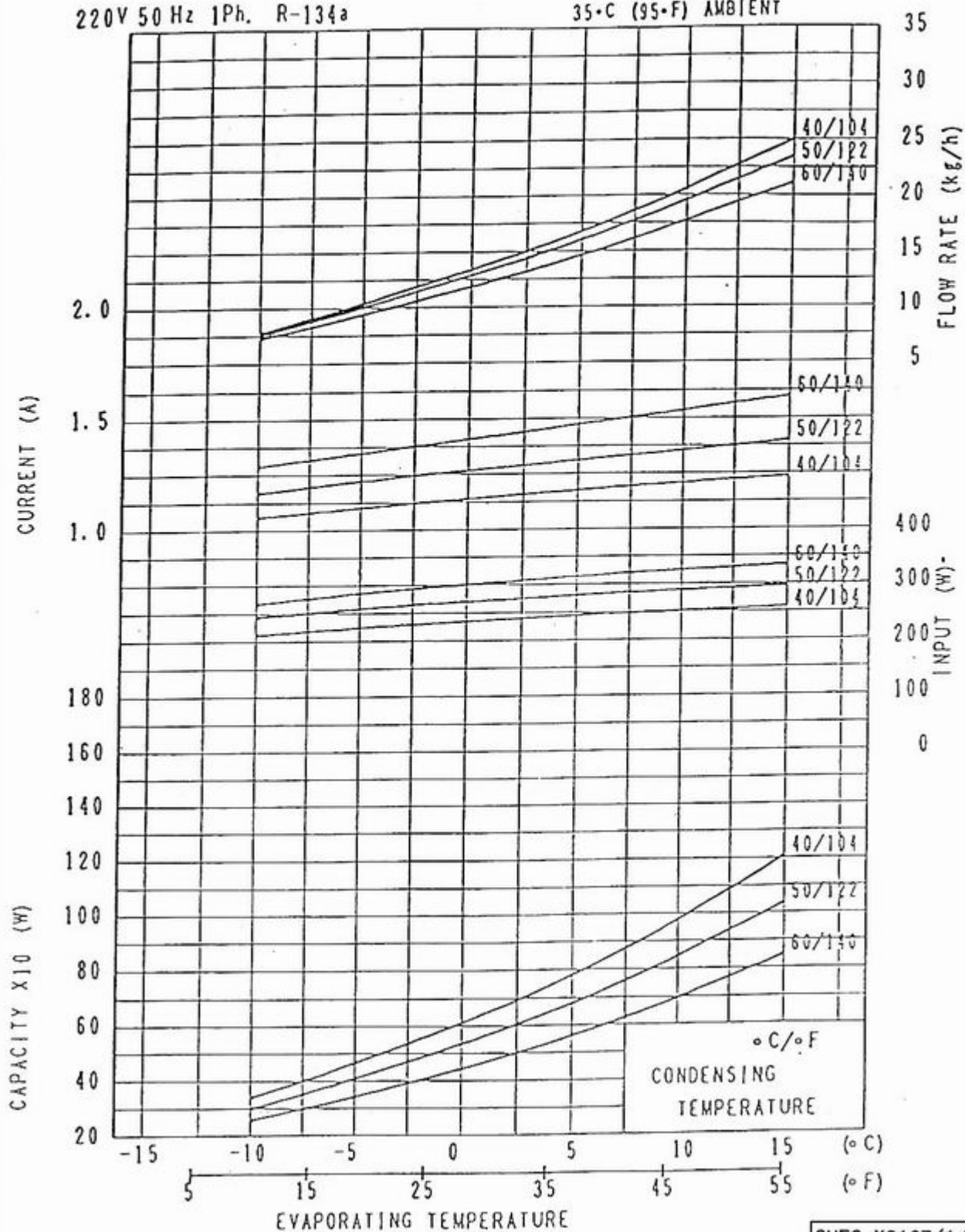
# SHANGHAI HITACHI ELECTRICAL APPLIANCES CO., LTD.

BSA645CV

## COMPRESSOR PERFORMANCE CURVE

RATING CONDITION: 11.1°C (20°F) RETURN GAS SUPERHEATED  
8.3°C (15°F) LIQUID SUBCOOLED  
35°C (95°F) AMBIENT

220V 50 Hz 1Ph. R-134a



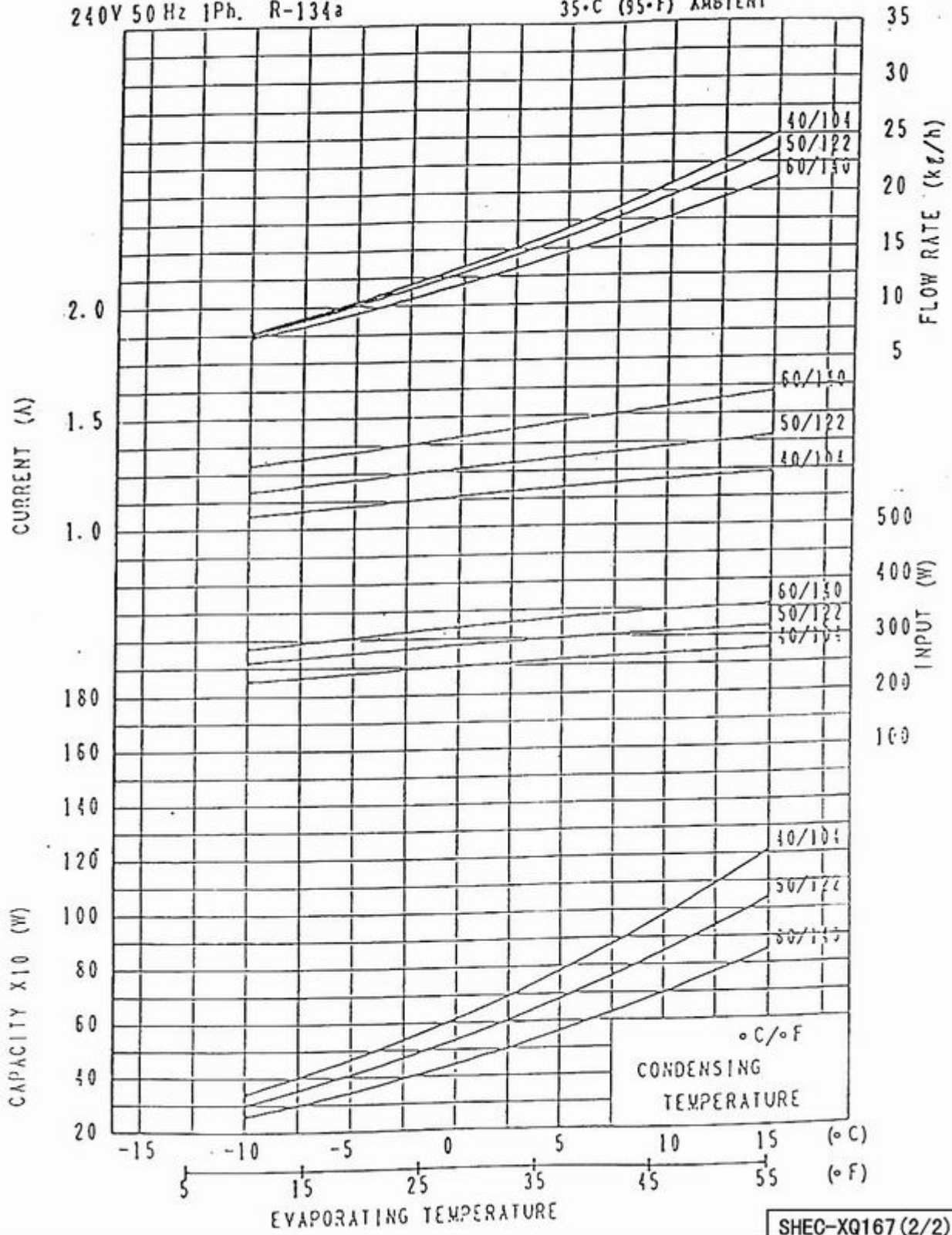
SHEC-XQ167 (1/2)

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## BSA645CV- COMPRESSOR PERFORMANCE CURVE

RATING CONDITION: 11.1°C (20°F) RETURN GAS SUPERHEATED  
8.3°C (15°F) LIQUID SUBCOOLED  
35°C (95°F) AMBIENT

240V 50 Hz 1Ph. R-134a



SHEC-XQ167 (2/2)

