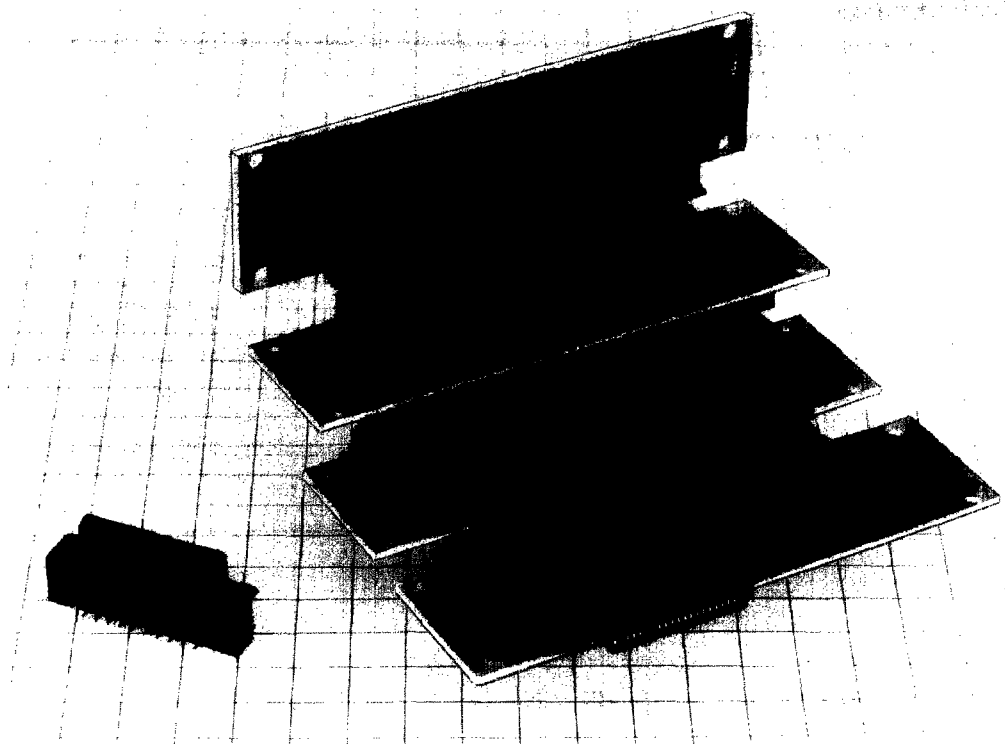

HIF7 1.27 mm (.050") MINIATURE CONNECTORS

Scope

The HIF7 is a newly developed connector, featuring low insertion force and a 1.27 mm pitch PCB pattern to meet the ever increasing market needs.



Features

1. The connector has a "D" shaped mating section, which is ideal to prevent incorrect insertion.
2. The HIF7 has Low Insertion Force (LIF) due to Hirose's unique flexible spring contact design.
3. Long effective mating length ensures stability and sufficient contact wipe.
4. Versions with PCB lock tabs are also available.
5. The availability of many variations ensures you that you can have exactly what you need.

Application

Peripherals, office automation equipment. Mass memory storage devices, etc.

Material and Finish

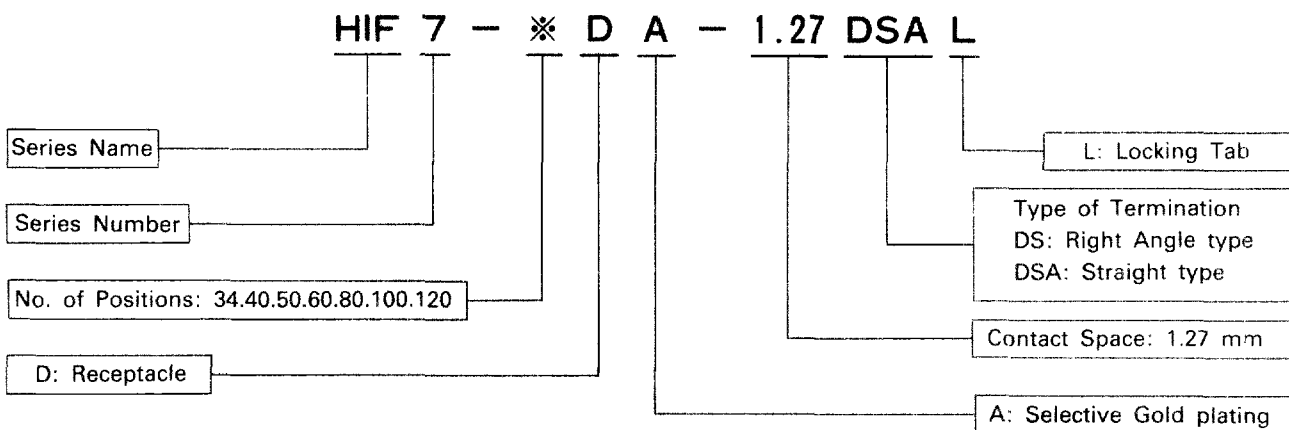
Item	Material	Finish
Insulator	PBT resin	Black
Receptacle contact	Phosphor bronze	Selective gold plating
Header contact	Brass	Selective gold plating

Electrical Performance

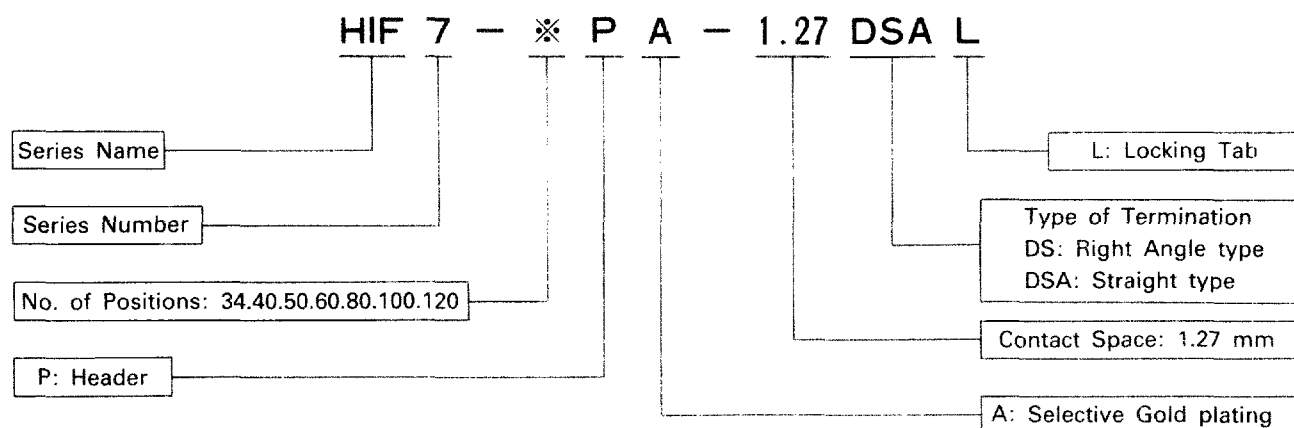
Item	Specification
Current Rating	0.5A
Voltage Rating	125VAC
Insulation resistance	1,000M Ω or more @250VDC
Withstanding voltage	300VAC
Contact resistance	40m Ω or less at DC100mA

Ordering Information

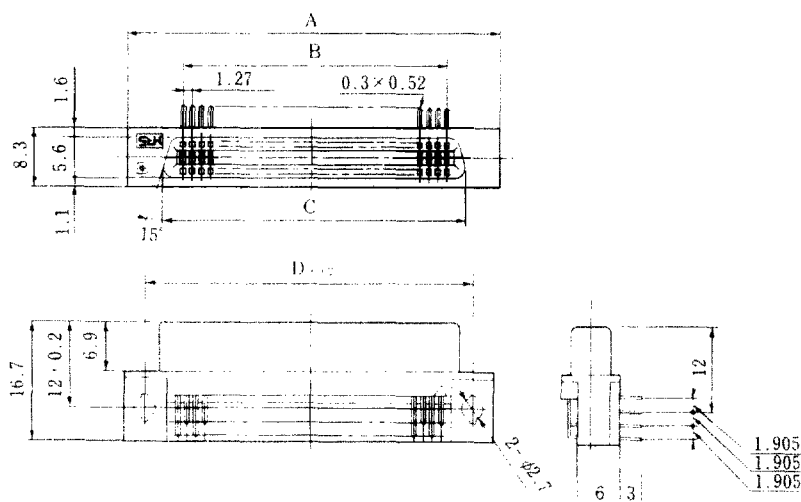
Receptacle



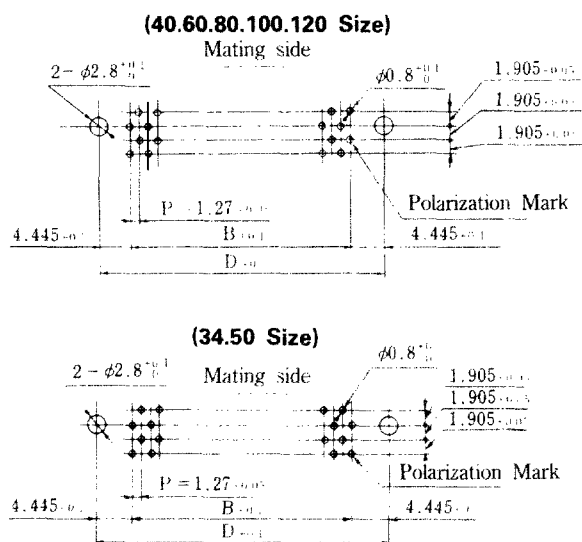
Header



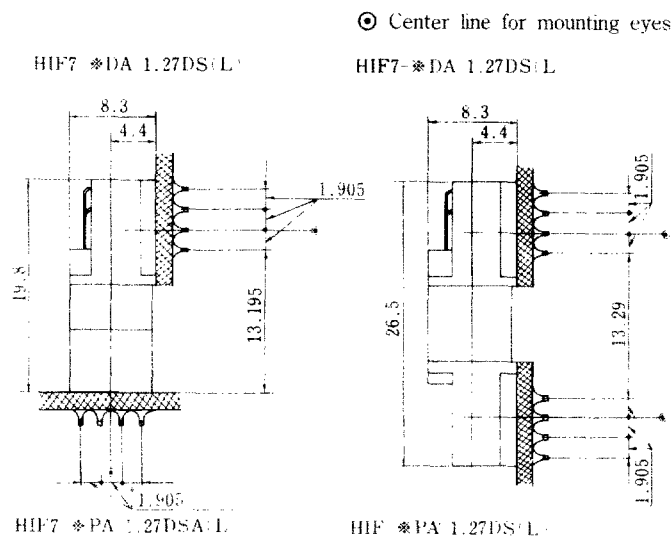
■ Receptacle Right Angle Type



◆ PCB Layout



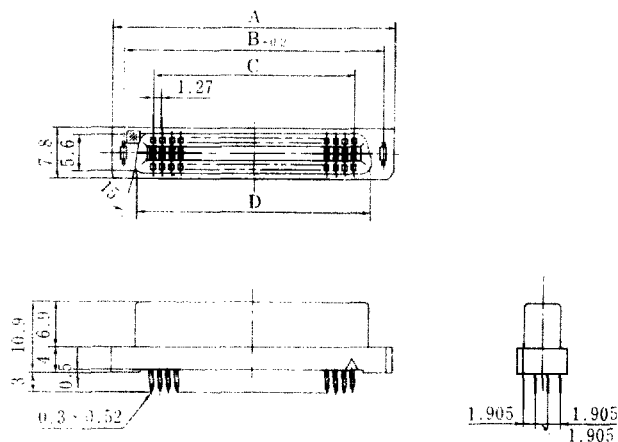
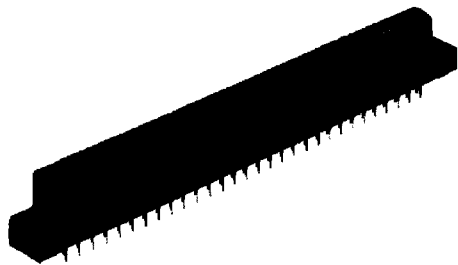
◆ Application Chart



Unit: mm

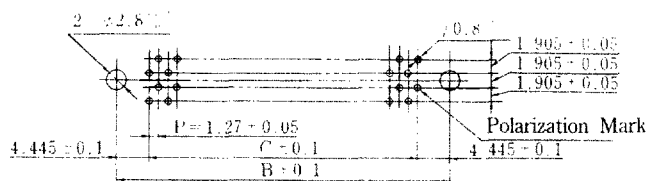
HRS No.	Part No.	No. of Pin	A	B	C	D
670-0007-0	HIF7-34DA-1.27DS	34	35.21	20.32	25.29	29.21
670-0057-8	HIF7-34DA-1.27DSL					
670-0001-3	HIF7-40DA-1.27DS	40	39.02	24.13	29.1	33.02
670-0051-1	HIF7-40DA-1.27DSL					
670-0002-6	HIF7-50DA-1.27DS	50	45.37	30.48	35.45	39.37
670-0052-4	HIF7-50DA-1.27DSL					
670-0003-9	HIF7-60DA-1.27DS	60	51.72	36.83	41.8	45.72
670-0053-7	HIF7-60DA-1.27DSL					
670-0004-1	HIF7-80DA-1.27DS	80	64.42	49.53	54.5	58.42
670-0054-0	HIF7-80DA-1.27DSL					
670-0005-4	HIF7-100DA-1.27DS	100	77.12	62.23	67.2	71.12
670-0055-2	HIF7-100DA-1.27DSL					
670-0006-7	HIF7-120DA-1.27DS	120	89.82	74.93	79.9	83.82
670-0056-0	HIF7-120DA-1.27DSL					

■ Receptacle Straight Type

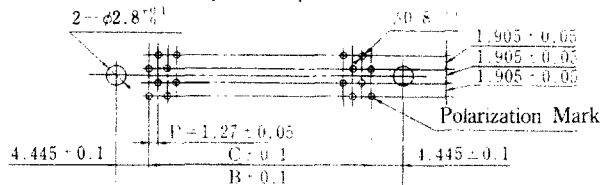


◆ PCB Layout

(40,60,80,100,120 Size)



(50 Size)



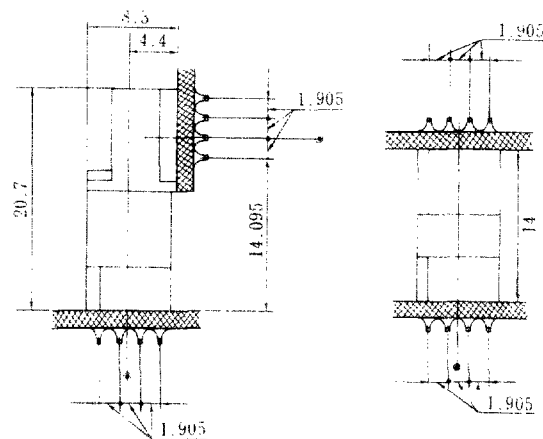
When the product with Locking Tab is not used, $\phi 2.8$ PCB Hole is not required.

◆ Application Chart

⊙ Center line for mounting eyes

HIF7 *PA 1.27DS-L

HIF7 *PA 1.27DSA-L



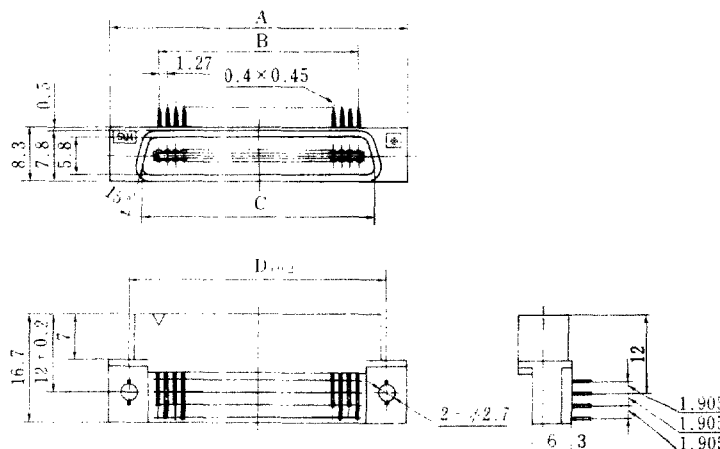
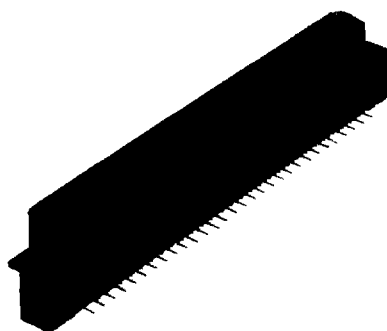
HIF7 *PA 1.27DSA-L

HIF7 *DA 1.27DSA-L

Unit: mm

HRS No.	Part No.	No. of Pin	A	B	C	D
670-0101-8	HIF7-40DA-1.27DSA	40	36.45	33.02	24.13	29.1
670-0151-6	HIF7-40DA-1.27DSAL					
670-0102-0	HIF7-50DA-1.27DSA	50	42.8	39.37	30.48	35.45
670-0152-9	HIF7-50DA-1.27DSAL					
670-0103-3	HIF7-60DA-1.27DSA	60	49.15	45.72	36.83	41.8
670-0153-1	HIF7-60DA-1.27DSAL					
670-0108-7	HIF7-68DA-1.27DSA	68	54.23	50.8	41.91	46.88
670-0158-5	HIF7-68DA-1.27DSAL					
670-0104-6	HIF7-80DA-1.27DSA	80	61.85	58.42	49.53	54.5
670-0154-4	HIF7-80DA-1.27DSAL					
670-0105-9	HIF7-100DA-1.27DSA	100	74.55	71.12	62.23	67.2
670-0155-7	HIF7-100DA-1.27DSAL					
670-0106-1	HIF7-120DA-1.27DSA	120	87.25	83.82	74.93	79.9
670-0156-5	HIF7-120DA-1.27DSAL					

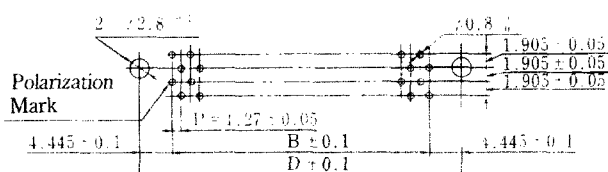
■ Header Right Angle Type



◆ PCB Layout

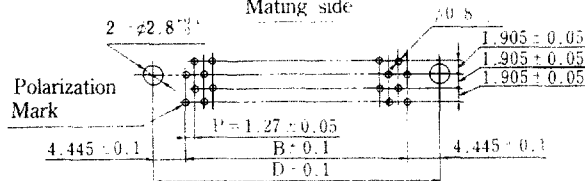
(40.60.80.100.120 Size)

Mating side



(34.50 Size)

Mating side

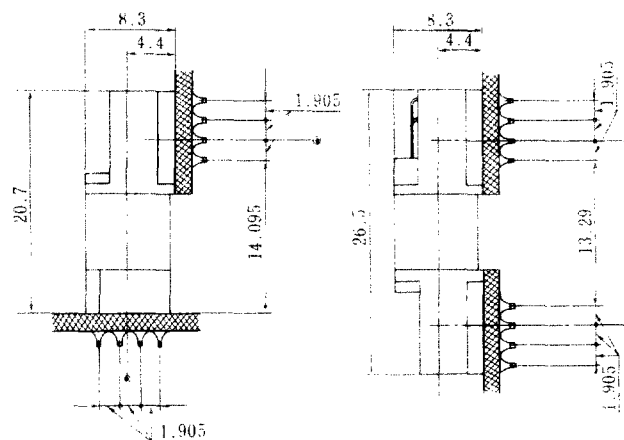


◆ Application Chart

◎ Center line for mounting eyes

HIF7 *PA 1.27DSL

HIF7 *DA 1.27DSL



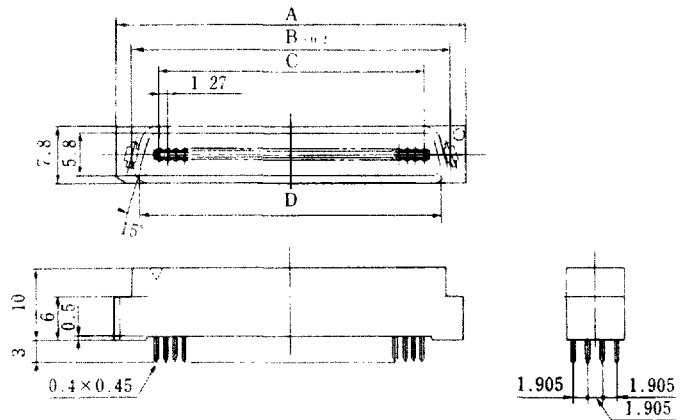
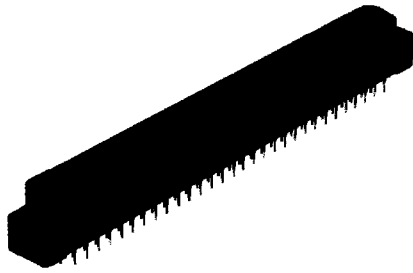
HIF7 *DA 1.27DSL

HIF7 *PA 1.27DSL

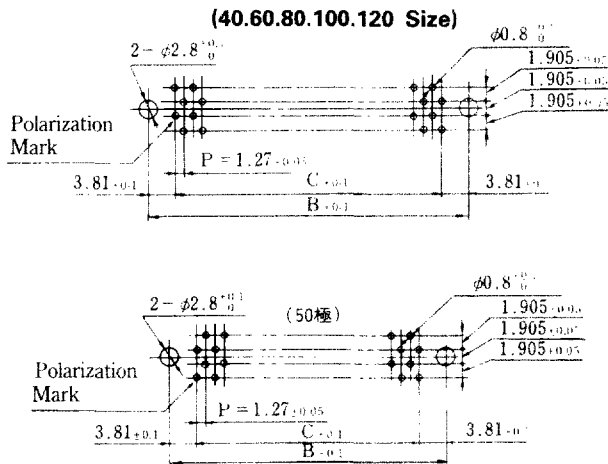
Unit: mm

HRS No.	Part No.	No. of Pin	A	B	C	D
670-0207-9	HIF7-34PA-1.27DS	34	35.21	20.32	25.45	29.21
670-0257-7	HIF7-34PA-1.27DSL					
670-0201-2	HIF7-40PA-1.27DS	40	39.02	24.13	29.26	33.02
670-0251-0	HIF7-40PA-1.27DSL					
670-0202-5	HIF7-50PA-1.27DS	50	45.37	30.48	35.61	39.37
670-0252-3	HIF7-50PA-1.27DSL					
670-0203-8	HIF7-60PA-1.27DS	60	51.72	36.83	41.96	45.72
670-0253-6	HIF7-60PA-1.27DSL					
670-0204-0	HIF7-80PA-1.27DS	80	64.42	49.53	54.66	58.42
670-0254-9	HIF7-80PA-1.27DSL					
670-0205-3	HIF7-100PA-1.27DS	100	77.12	62.23	67.36	71.12
670-0255-1	HIF7-100PA-1.27DSL					
670-0206-6	HIF7-120PA-1.27DS	120	89.82	74.93	80.06	83.82
670-0256-4	HIF7-120PA-1.27DSL					

Header Straight Type



PCB Layout



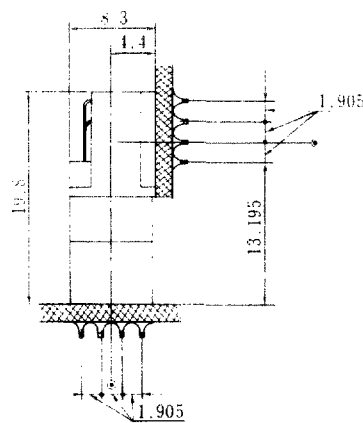
When the product with Locking Tab is not used, $\phi 2.8$ PCB Hole is not required.

Application Chart

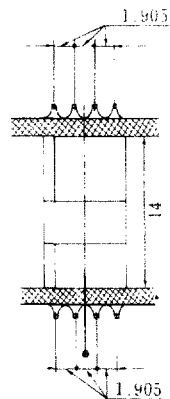
HIF7 ϕ DA 1.27DS L

⊙ Center line for mounting eyes

HIF7 ϕ PA 1.27DSA L



HIF7 ϕ PA 1.27DSA L



HIF7 ϕ DA 1.27DSA L

Unit: mm

HRS No.	Part No.	No. of Pin	A	B	C	D
670-0301-7	HIF7-40PA-1.27DSA	40	36.45	31.75	24.13	29.26
670-0351-5	HIF7-40PA-1.27DSAL					
670-0302-0	HIF7-50PA-1.27DSA	50	42.8	38.1	30.48	35.61
670-0352-8	HIF7-50PA-1.27DSAL					
670-0303-2	HIF7-60PA-1.27DSA	60	49.15	44.45	36.83	41.96
670-0353-0	HIF7-60PA-1.27DSAL					
670-0308-6	HIF7-60PA-1.27DSA	68	54.23	49.53	41.91	47.04
670-0358-4	HIF7-68PA-1.27DSAL					
670-0304-5	HIF7-80PA-1.27DSA	80	61.85	57.15	49.53	54.66
670-0354-3	HIF7-80PA-1.27DSAL					
670-0305-8	HIF7-100PA-1.27DSA	100	74.55	69.85	62.23	67.36
670-0355-6	HIF7-100PA-1.27DSAL					
670-0306-0	HIF7-120PA-1.27DSA	120	87.25	82.55	74.93	80.06
670-0356-9	HIF7-120PA-1.27DSAL					